



Capt<sup>n</sup> C. H. Reed  
Richmond  
Maine  
am<sup>t</sup> Ship "Serris"



# CALENDAR.

## 1887.

	Su.	Mo.	Tu.	We.	Th.	Fri.	Sa.		Su.	Mo.	Tu.	We.	Th.	Fri.	Sa.
	..	..	..	..	..	..	1		..	..	..	..	..	..	1 2
	2	3	4	5	6	7	8			3	4	5	6	7	8 9
Jan.	9	10	11	12	13	14	15	July.	10	11	12	13	14	15	16
	16	17	18	19	20	21	22		17	18	19	20	21	22	23
	23	24	25	26	27	28	29		24	25	26	27	28	29	30
	30	31	..	..	..	..	..		31	..	..	..	..	..	..
	..	..	1	2	3	4	5		..	1	2	3	4	5	6
	6	7	8	9	10	11	12		7	8	9	10	11	12	13
Feb.	13	14	15	16	17	18	19	Aug.	14	15	16	17	18	19	20
	20	21	22	23	24	25	26		21	22	23	24	25	26	27
	27	28	..	..	..	..	..		28	29	30	31	..	..	..
	..	..	1	2	3	4	5		..	..	..	1	2	3	..
	6	7	8	9	10	11	12		4	5	6	7	8	9	10
March.	13	14	15	16	17	18	19	Sept.	11	12	13	14	15	16	17
	20	21	22	23	24	25	26		18	19	20	21	22	23	24
	27	28	29	30	31	..	..		25	26	27	28	29	30	..
	..	..	..	..	..	1	2		..	..	..	..	..	..	1
	3	4	5	6	7	8	9		2	3	4	5	6	7	8
April.	10	11	12	13	14	15	16	Oct.	9	10	11	12	13	14	15
	17	18	19	20	21	22	23		16	17	18	19	20	21	22
	24	25	26	27	28	29	30		23	24	25	26	27	28	29
	..	..	..	..	..	..	..		30	31	..	..	..	..	..
	1	2	3	4	5	6	7		..	..	1	2	3	4	5
	8	9	10	11	12	13	14		6	7	8	9	10	11	12
May.	15	16	17	18	19	20	21	Nov.	13	14	15	16	17	18	19
	22	23	24	25	26	27	28		20	21	22	23	24	25	26
	29	30	31	..	..	..	..		27	28	29	30	..	..	..
	..	..	1	2	3	4	..		..	..	..	1	2	3	..
	5	6	7	8	9	10	11		4	5	6	7	8	9	10
June.	12	13	14	15	16	17	18	Dec.	11	12	13	14	15	16	17
	19	20	21	22	23	24	25		18	19	20	21	22	23	24
	26	27	28	29	30	..	..		25	26	27	28	29	30	31

## WEIGHTS AND MEASURES.

### MEASURE OF LENGTH.

4 .. In.	make 1 Hand.	3 Feet	make 1 Yard.
7.92 In.	" 1 Link.	5½ Yds.	" 1 Rod or Pole
18 .. In.	" 1 Cubit.	40 Poles	" 1 Furlong.
12 .. In.	" 1 Foot.	8 Fur.	" 1 Mile.
6 .. Ft.	" 1 Fathom.	69 1-6 Miles	make 1 Degree.
60 Geographical Miles make 1 Degree.			
1760 Yards } = 1 Mile.			
5280 Feet }			

### MEASURE OF SURFACE.

144	Square Inches	make 1 Square Foot.
9	Square Feet	" 1 Square Yard.
30½	Square Yards	" 1 Rod, Perch or Pole.
40	Square Rods	" 1 Square Rood.
4	Square Roods	" 1 Square Acre.
10	Square Chains	" 1 Square Acre.
640	Square Acres	" 1 Square Mile.
Gunter's Chain equal to 22 Yards or 100 Links.		
272½	Square Feet	make 1 Square Rod.
43,560	Square Feet	" 1 Acre.

### MEASURE OF SOLIDITY.

1728	Cubic Inches	make 1 Cubic Foot.
27	Cubic Feet	" 1 Cubic Yard.

### AVOIRDUPOIS WEIGHT.

27½	Grains	make 1 Drachm (dr.) or 27½ Grains.
16	Drachms	" 1 Ounce (oz.) or 437½ "
16	Ounces	" 1 Pound (lb.) or 7000 "
28	Pounds	" 1 Quarter (qr.)
4	Quarters	" 1 Hundred-Weight (cwt.)
20	Cwts.	" 1 Ton.
2240	Pounds	" 1 Ton.

### TROY WEIGHT.

24	Grains	make 1 Pennyweight, or 24 Grains.
20	Pennywts.	" 1 Ounce, or 480 "
12	Ounces	" 1 Pound, or 5760 "

### APOTHECARIES' WEIGHT.

20	Grains	make 1 Scruple.	8 Drachms	make 1 Ounce.
3	Scruples	" 1 Drachm.	12 Ounces	" 1 Pound.

### DIAMOND WEIGHT.

16	Parts	make 1 Grain (4-5ths Grain Troy.)
4	Grains	" 1 Carat (3 1-5ths Grains Troy)

### LIQUID MEASURE.

4	Gills	make 1 Pint.	31½	Gallons	make 1 Barrel.
2	Pints	" 1 Quart.	54	Gallons	" 1 Hhd.
4	Quarts	" 1 Gallon.			

### DRY MEASURE.

8	Quarts	make 1 Peck.	8	Bushels	make 1 Quarter.
4	Pecks	" 1 Bushel.	36	Bushels	" 1 Chaldron.
1 Bushel equal to 28½ cubic in nearly.					

## WEIGHT-PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

STATES.	Barley.	Buckwheat.	Coal.	Corn, shld.	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover Sd.	Timothy.
Maine.....	48	48	..	56	50	52	30	60	..	60	..	50	64	..	..
N. Hampshire ..	..	..	..	56	50	..	30	60	56	60	..	..	60	..	..
Vermont.....	48	48	..	..	..	..	32	60	56	60	70	..	64	60	42
Massachusetts ..	48	48	..	56	50	52	32	60	56	60	..	..	..	..	..
Connecticut...	..	45	..	56	..	..	28	60	56	56	..	..	..	..	..
New York....	48	48	..	58	..	..	32	60	56	60	..	..	62	60	44
New Jersey...	48	50	..	56	..	..	30	60	56	60	..	..	64	..	..
Pennsylvania..	47	48	..	56	..	..	30	56	56	60	85	..	62	..	..
Delaware.....	..	..	..	56	..	..	..	..	60	..	..	..	..	..	..
Maryland.....	48	48	..	56	..	57	32	60	56	60	56	..	62	64	45
Dist. Columbia	47	48	..	56	48	57	32	56	56	60	50	55	62	60	45
Virginia .....	48	48	..	56	50	..	32	60	56	60	..	56	60	64	45
West Virginia.	48	52	80	56	48	..	32	60	56	60	..	60	60	60	45
North Carolina	48	50	..	54	46	..	30	..	56	60	..	..	64	..	..
South Carolina	48	56	80	56	50	57	33	60	56	60	50	..	60	60	..
Georgia.....	40	..	80	56	48	75	35	56	..	60	56	..	60	45	..
Louisiana.....	32	..	..	56	..	..	32	..	32	60	..	..	..	..	..
Arkansas.....	48	52	80	56	50	57	32	60	56	60	50	..	60	60	45
Tennessee....	48	50	..	56	50	56	32	60	56	60	..	..	60	..	45
Kentucky.....	48	52	..	56	50	57	33	56	56	60	50	..	60	60	45
Ohio .....	48	50	..	56	..	..	32	60	56	60	..	..	60	60	45
Michigan.....	48	48	80	56	..	54	32	60	56	60	56	58	60	60	45
Indiana.....	48	50	70	56	50	48	32	60	56	60	50	..	60	60	..
Illinois .....	48	52	..	56	48	57	32	60	56	60	50	..	60	60	..
Wisconsin.....	48	50	..	56	..	..	32	60	56	60	..	..	60	..	..
Minnesota....	48	42	..	56	..	..	32	60	56	60	..	..	60	..	..
Iowa.....	48	52	..	56	..	57	33	60	56	60	50	..	60	60	45
Missouri.....	48	52	..	56	..	57	32	60	56	60	50	..	60	60	45
Kansas.....	50	50	..	56	50	57	32	60	56	60	50	55	60	..	45
Nebraska.....	48	52	..	56	50	57	34	60	56	60	50	55	60	60	45
California....	50	40	..	52	..	..	32	..	54	50	..	..	..	..	..
Oregon.....	46	42	..	56	..	..	36	60	56	60	..	..	60	..	..

# INTEREST TABLE. SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
DAY.	0	0	0	0	0	0	0	0	0	0	2	17
2 "	0	0	0	0	0	0	0	0	0	0	3	33
3 "	0	0	0	0	0	0	0	0	0	1	5	50
4 "	0	0	0	0	0	0	0	0	1	1	7	67
5 "	0	0	0	0	0	1	1	1	1	1	8	83
6 "	0	0	0	0	1	1	1	1	1	1	10	1 00
7 "	0	0	0	0	1	1	1	1	1	1	12	1 17
8 "	0	0	0	1	1	1	1	1	1	1	13	1 33
9 "	0	0	0	1	1	1	1	1	1	2	15	1 50
10 "	0	0	0	1	1	1	1	1	2	2	17	1 67
11 "	0	0	0	1	1	1	1	1	2	2	18	1 83
12 "	0	0	0	1	1	1	2	2	2	2	20	2 00
13 "	0	0	0	1	1	1	2	2	2	2	22	2 17
14 "	0	0	0	1	1	1	2	2	2	2	23	2 33
15 "	0	0	1	1	1	2	2	2	2	3	25	2 50
16 "	0	0	1	1	1	2	2	2	2	3	27	2 67
17 "	0	0	1	1	1	2	2	2	3	3	28	2 83
18 "	0	0	1	1	1	2	2	2	3	3	30	3 00
19 "	0	0	1	1	1	2	2	2	3	3	32	3 17
20 "	0	0	1	1	1	2	2	2	3	3	33	3 33
21 "	0	0	1	1	1	2	2	2	3	3	34	3 50
22 "	0	0	1	1	1	2	2	3	3	3	35	3 67
23 "	0	0	1	1	2	2	2	3	3	4	38	3 83
24 "	0	0	1	1	2	2	2	3	3	4	40	4 00
25 "	0	0	1	1	2	2	3	3	3	4	42	4 17
26 "	0	0	1	1	2	2	3	3	4	4	43	4 33
27 "	0	0	1	1	2	2	3	3	4	4	45	4 50
28 "	0	0	1	1	2	2	3	3	4	4	47	4 67
29 "	0	0	1	1	2	2	3	3	4	4	48	4 83
1 MON.	1	1	2	2	3	3	4	4	5	5	50	5 00
2 "	1	2	3	4	5	6	7	8	9	10	100	10 00
3 "	2	3	5	6	8	9	11	12	14	15	1 50	15 00
4 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
5 "	3	5	8	10	13	15	18	20	23	25	2 50	25 00
6 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
7 "	4	7	11	14	18	21	25	28	32	35	3 50	35 00
8 "	4	8	12	16	20	24	28	32	36	40	4 00	40 00
9 "	5	9	14	18	23	27	32	36	41	45	4 50	45 00
10 "	5	10	15	20	25	30	35	40	45	50	5 00	50 00
11 "	6	11	17	22	28	33	39	44	50	55	5 50	55 00
1 YEAR.	6	12	18	24	30	36	42	48	54	60	6 00	60 00

# SEVEN PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAYS.	0	0	0	0	0	0	1	1	1	1	8	78
8 "	0	0	0	1	1	1	1	1	1	1	16	1 56
12 "	0	0	0	1	1	1	2	2	2	2	23	2 33
16 "	0	0	1	1	1	2	2	2	3	3	31	3 11
20 "	0	0	1	1	2	2	2	3	3	4	39	3 89
24 "	0	0	1	1	2	2	3	3	4	5	47	4 67
28 "	1	1	1	2	2	3	3	4	4	5	54	5 44
1 MON.	1	1	2	2	3	3	4	4	5	5	58	5 83
2 "	1	2	2	3	4	4	5	5	6	6	65	6 45
3 "	2	2	4	5	6	7	8	9	11	12	72	7 12
4 "	2	3	5	7	9	11	12	14	16	18	79	7 50
5 "	3	3	6	9	12	15	18	20	23	26	86	8 46
6 "	3	4	7	11	14	18	21	25	28	32	93	9 17
7 "	4	4	8	12	16	20	25	29	33	37	100	9 83
8 "	4	5	9	14	19	23	28	33	37	42	107	10 46
9 "	5	5	11	16	21	26	32	37	42	47	114	11 17
10 "	5	6	12	18	23	29	35	41	47	53	121	11 83
11 "	6	6	13	19	24	30	36	42	48	54	128	12 46
1 YEAR.	7	14	21	28	35	42	49	56	63	70	70	70 00

# RATE OF INCOME ON INVESTMENTS,

Par value being \$100, bearing interest at

Price Paid.	5%	6%	7%	8%	10%
\$50	10 00	12 00	14 00	16 00	20 00
55	9 09	10 90	12 72	14 55	18 18
60	8 33	10 00	11 66	13 33	16 66
65	7 69	9 23	10 76	12 30	15 38
70	7 14	8 57	10 00	11 42	14 28
75	6 66	8 00	9 33	10 66	13 35
80	6 25	7 50	8 75	10 00	12 50
82 1/2	6 06	7 27	8 48	9 69	12 12
85	5 88	7 05	8 23	9 41	11 76
87 1/2	5 71	6 85	8 00	9 14	11 42
90	5 55	6 66	7 77	8 88	11 11
92 1/2	5 40	6 48	7 56	8 64	10 80
95	5 26	6 31	7 36	8 42	10 52
96	5 20	6 25	7 29	8 33	10 41
97	5 15	6 18	7 21	8 24	10 30
97 1/2	5 12	6 15	7 17	8 20	10 25
98	5 10	6 12	7 14	8 16	10 20
99	5 05	6 06	7 07	8 03	10 10
100	5 00	6 00	7 00	8 00	10 00
101	4 95	5 94	6 93	7 92	9 90
102	4 90	5 88	6 86	7 84	9 80
103	4 85	5 82	6 79	7 76	9 70
104	4 80	5 76	6 73	7 69	9 61
105	4 76	5 71	6 66	7 61	9 52
110	4 54	5 45	6 36	7 27	9 09
115	4 34	5 21	6 08	6 95	8 69
120	4 16	5 00	5 83	6 66	8 33
125	4 00	4 80	5 60	6 40	8 00
130	3 84	4 61	5 38	6 15	7 69
135	3 70	4 44	5 18	5 92	7 40
140	3 57	4 28	5 00	5 71	7 14
145	3 44	4 13	4 82	5 51	6 89
150	3 33	4 00	4 65	5 33	6 66

# TO FIND LENGTH OF DAY OR NIGHT.

At any time of the year add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising for the length of the day. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning for the length of the night. These rules are equally true for apparent time.

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ALL LETTERS, to all parts of the United States and Canada, 2 cents for each ounce or fraction thereof.

**FIRST CLASS.**—Letters and all other written matter, *whether sealed or unsealed*, and all other matter *sealed, nailed, sewed, tied, or fastened in any manner* so that it cannot be easily examined, 2 cents for each ounce or fraction thereof.

THIRD CLASS.—Printed matter, in *unsealed wrappers only* (all matter inclosed in notched envelopes must pay letter rates), 1 cent for each 2 ounces or fraction thereof, *which must be fully prepaid*. This includes books, circulars, chromos, engravings, handbills, lithographs, magazines, music, newspapers, pamphlets, proof-sheets and manuscript accompanying the same, reproductions by the electric pen, hektograph, metallograph, papyrograph, and, in short, any reproduction upon paper by any process *except handwriting and the copying press*. Limit of weight 4 lbs., except for a single book, which may weigh more.

REFORWARDING.—Letters will be forwarded from one post office to another upon the *written* request of the *person addressed*, without additional postage charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

**PERMISSIBLE WRITING.**—No writing is permitted on third or fourth class matter except as follows: The name and address of sender on the outside or inside of package, preceded by the word "from." On the wrapper may also be written the names and number of articles inclosed. The sender is further allowed to mark a word or passage in a book or paper to which he desires to call special attention. He may also write a simple inscription

or dedication upon the cover or blank leaves of a book or pamphlet. There may be attached to articles of merchandise, by tag or label, a mark, number, name, or letter for purpose of identification. Printed circulars may contain the written name of the sender, or of the addressee, and the date. Any other writing on third or fourth class matter will subject the package to letter rates of postage, and render the sender liable to a fine of ten dollars for each offense. Printed matter may be inclosed with fourth class matter, but the whole package is subject to the rate of 1 cent per ounce or fraction thereof.

Upon payment of a fee of 3 cents each, Postal Notes for any amount under Five Dollars may be purchased at any Money-order Office, payable to bearer at any time within three calendar months from the last day of the month during which it was issued; but payable *only* at such Money-order Office as the purchaser may select or at the office of issue.

For Orders not exceeding \$10 . . . . .	8 cents.
Exceeding \$10 and not exceeding \$15 . . . . .	10 "
" 15 " " " 30 . . . . .	15 "
" 30 " " " 40 . . . . .	20 "
" 40 " " " 50 . . . . .	25 "
" 50 " " " 60 . . . . .	30 "
" 60 " " " 70 . . . . .	35 "
" 70 " " " 80 . . . . .	40 "
" 80 " " " 100 . . . . .	45 "

FOREIGN POSTAGE.

The rates for letters are for the half ounce or fraction thereof, and those for newspapers for 2 ounces or fraction thereof:—

To Great Britain and Ireland, France, Spain, all parts of Germany, including Austria, Denmark, Switzerland, Italy, Russia, Norway, Sweden, Turkey (European and Asiatic), Egypt, letters 5 cents, newspapers 1 cent for each 2 ounces or fraction thereof.

To Australia, letters, via San Francisco (except to New South Wales), 5 cents; via Brindisi, 15 cents; newspapers, via San Francisco, 2 cents; via Brindisi, 4 cents. China, letters, via San Francisco, 5 cents; via Brindisi, 13 cents; 4 cents for each paper not weighing over 4 ounces. British India, Italian mail, letters 5 cents, newspapers 1 cent for 2 ounces. Japan, letters, via San Francisco, 5 cents; newspapers 1 cent for 2 ounces.

## STANDARD TIME.

In this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in STANDARD TIME.

To change to STANDARD TIME, add or subtract the minutes as given below, according as they are marked *plus* or *minus*.

Standard Time Divisions as adopted by the Railroads.

**EASTERN STANDARD**—75th Meridian. Canada, between Quebec and Detroit;—U. S. east of Buffalo, N. Y.; Pittsburgh, Pa.; Wheeling and Huntington, W. Va.; Bristol, Tenn.; Charlotte, N. C., and Augusta, Ga.

**CENTRAL STANDARD**—90th Meridian. West from "Eastern" limits, as above, to Broadview, Canada; to the Missouri River in Dakota; North Platte and McCook, Nebraska; Wallace and Dodge City, Kansas; Toyah and Sanderson, Texas.

**MOUNTAIN STANDARD**—105th Meridian. West from "Central" limits to Heron, Montana; Ogden, Utah; Needles and Yuma, Arizona.

**PACIFIC STANDARD**—120th Meridian. West from "Mountain" limits to coast.

### Correction for the following Cities.

Eastern Standard. 75° Longitude.		Central Standard. 90° Longitude.	
	Minutes.		Minutes.
Bangor, Me. ....	- 25	Cleveland, Ohio ....	- 33
Augusta, Me. ....	- 21	Columbus, Ohio ....	- 28
Portland, Me. ....	- 19	Detroit, Mich. ....	- 28
Boston, Mass. ....	- 16	Toledo, Ohio. ....	- 26
Newport, R. I. ....	- 15	Dayton, Ohio ....	- 23
Providence, R. I. ....	- 14	Cincinnati, Ohio ....	- 22
Concord, N. H. ....	- 14	Louisville, Ky. ....	- 18
New London, Conn. ....	- 11	Indianapolis, Ind. ....	- 16
Springfield, Mass. ....	- 10	Chicago, Ill. ....	- 10
Montpelier, Vt. ....	- 10	Milwaukee, Wis. ....	- 8
Hartford, Conn. ....	- 9	Springfield, Ill. ....	- 2
Montreal, Que. ....	- 6	Memphis, Tenn. ....	0
Albany, N. Y. ....	- 5	New Orleans, La. ....	0
New York, N. Y. ....	- 4	St. Louis, Mo. ....	+ 1
Utica, N. Y. ....	+ 1	Rock Island, Ill. ....	+ 3
Philadelphia, Pa. ....	+ 1	Dubuque, Iowa ....	+ 3
Syracuse, N. Y. ....	+ 5	Burlington, Iowa ....	+ 5
Baltimore, Md. ....	+ 6	St. Paul, Minn. ....	+ 12
Washington, D. C. ....	+ 8	Des Moines, Iowa ....	+ 14
Rochester, N. Y. ....	+ 11	Kansas City, Mo. ....	+ 18
Buffalo, N. Y. ....	+ 16	Galveston, Texas ....	+ 19
Pittsburg, Pa. ....	+ 20	Omaha, Neb. ....	+ 24
Mountain Standard. 105° Longitude.		Pacific Standard. 120° Longitude.	
Denver, Col. ....	0	Sacramento, Cal. ....	+ 6
Salt Lake City, Utah, +	28	San Francisco, Cal. ....	+ 10

## POPULATION OF THE UNITED STATES.

CENSUS OF 1880.

Alabama .....	1,262,505	Ohio .....	3,198,062
Arkansas .....	802,525	Oregon .....	174,768
California .....	864,994	Pennsylvania .....	4,282,891
Colorado .....	194,327	Rhode Island .....	276,531
Connecticut .....	622,700	South Carolina .....	995,577
Delaware .....	146,808	Tennessee .....	1,542,359
Florida .....	269,493	Texas .....	1,591,749
Georgia .....	1,542,180	Vermont .....	332,286
Illinois .....	3,077,871	Virginia .....	1,512,565
Indiana .....	1,978,301	West Virginia ....	618,457
Iowa .....	1,624,615	Wisconsin .....	1,315,497
Kansas .....	996,096	Total States .....	49,371,340
Kentucky .....	1,648,696	THE TERRITORIES.	
Louisiana .....	939,946	Alaska .....	—
Maine .....	649,936	Arizona .....	40,440
Maryland .....	934,943	Dakota .....	135,177
Massachusetts .....	1,783,085	Dist. of Columbia ..	177,624
Michigan .....	1,636,937	Idaho .....	32,610
Minnesota .....	780,773	Montana .....	39,159
Mississippi .....	1,131,597	New Mexico .....	119,565
Missouri .....	2,168,380	Utah .....	143,963
Nebraska .....	452,402	Washington .....	75,116
Nevada .....	62,266	Wyoming .....	20,789
New Hampshire .....	346,991	Total Territories .....	784,443
New Jersey .....	1,131,116	Total U. S. ....	50,155,783
New York .....	5,082,871		
North Carolina .....	1,399,750		

## POPULATION OF PRINCIPAL CITIES.

Cities having a population of 30,000 and upward, according to the United States Census of 1880.

Rank.		Rank.	
21	Albany, N. Y. .... 90,758	38	Minn'ap'lis, Minn. 46,887
23	Allegheny, Pa. ... 78,682	40	Nashville, Tenn. 43,350
49	Atlanta, Ga. .... 37,409	15	Newark, N. J. ... 136,508
7	Baltimore, Md. ... 332,313	26	N. Haven, Conn. 62,882
5	Boston, Mass. ... 362,839	10	New Orleans, La. 216,090
3	Brooklyn, N. Y. ... 566,663	1	N. York, N. Y. 1,206,299
13	Buffalo, N. Y. ... 155,134	51	Oakland, Cal. ... 34,555
31	Cambridge, Mass. 52,669	63	Omaha, Neb. .... 30,518
44	Camden, N. J. ... 41,059	34	Patterson, N. J. ... 51,031
36	Charleston, S. C. 49,984	2	Philadelphia, Pa. 847,170
4	Chicago, Ill. .... 503,185	12	Pittsburg, Pa. ... 156,389
8	Cincinnati, Ohio. 255,139	53	Portland, Me. ... 33,810
11	Cleveland, Ohio. 160,146	20	Providence, R. I. 104,857
33	Columbus, Ohio. 51,647	41	Reading, Pa. .... 43,278
47	Dayton, Ohio ... 38,678	25	Richmond, Va. ... 63,600
50	Denver, Col. .... 35,629	22	Rochester, N. Y. 89,366
18	Detroit, Mich. ... 116,340	9	S'n Francisco, Cal. 233,959
37	Fall River, Mass. 48,961	62	Savannah, Ga. ... 30,709
58	Gr'd Rapids, Mich. 32,016	39	Scranton, Pa. ... 45,850
60	Harrisburg, Pa. ... 30,762	55	Springfield, Mass. 33,340
43	Hartford, Conn. ... 42,015	57	St. Joseph, Mo. ... 32,431
59	Hoboken, N. J. ... 30,999	6	St. Louis, Mo. ... 350,518
24	Indianapolis, Ind. 75,056	3	St. Paul, Minn. ... 41,473
17	Jersey City, N. J. 120,722	32	Syracuse, N. Y. ... 51,792
30	Kansas City, Mo. 55,785	35	Toledo, Ohio. ... 50,137
46	Lawrence, Mass. 39,151	64	Trenton, N. J. ... 29,910
16	Louisville, Ky. ... 123,758	29	Troy, N. Y. .... 56,747
27	Lowell, Mass. ... 59,475	52	Utica, N. Y. .... 33,914
48	Lynn, Mass. .... 38,274	14	Wash'gton, D. C. 147,293
56	Manchester, N. H. 32,630	61	Wheeling, W. Va. 30,737
54	Memphis, Tenn. ... 33,592	42	Wilmington, Del. 42,478
19	Milwaukee, Wis. 115,587	28	Worcester, Mass. 58,291

# PRESIDENTS OF THE UNITED STATES.

NAMES.	Born.	Installed.	Term of Office.	Died.	Native of	Residence when elected.	Political Party.
GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia.	Virginia.	Federal.
JOHN ADAMS.....	Oct. 30, 1735	Mar. 4, 1797	4 ".....	July 4, 1826	Mass.	Mass.	Republican.
THOMAS JEFFERSON...	Apr. 13, 1743	" 4, 1801	4 ".....	July 4, 1826	Virginia.	Virginia.	"
JAMES MADISON.....	Mar. 16, 1751	" 4, 1809	8 ".....	July 28, 1837	"	"	"
JAMES MONROE.....	Apr. 28, 1758	" 4, 1817	8 ".....	July 4, 1831	Mass.	Mass.	Coalition.
JOHN QUINCY ADAMS.	July 11, 1767	" 4, 1825	8 ".....	Feb. 23, 1848	Tennessee.	Tennessee.	Democrat.
ANDREW JACKSON...	Mar. 15, 1767	" 4, 1829	8 ".....	June 8, 1845	New York.	New York.	Whig.
MARTIN VAN BUREN.	Dec. 5, 1782	" 4, 1837	4 ".....	July 24, 1862	Ohio.	Ohio.	Democrat.
W. M. H. HARRISON.	Mar. 20, 1773	April 4, 1841	1 month.....	April 4, 1841	Virginia.	Virginia.	Whig.
JOHN TYLER.....	Mar. 29, 1790	Mar. 6, 1841	3 yrs. 11 mos.	Jan. 17, 1862	Tennessee.	Tennessee.	Democrat.
JAMES K. POLK.....	Nov. 21, 1795	Mar. 4, 1845	4 years.....	June 15, 1849	Indiana.	Indiana.	Whig.
ZACHARY TAYLOR...	Nov. 24, 1784	" 4, 1849	1 year 4 mos.	July 9, 1850	New York.	New York.	Whig.
MILLARD FILLMORE...	Jan. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 8, 1874	N. Hamp.	N. Hamp.	Democrat.
FRANKLIN PIERCE...	Nov. 23, 1804	Mar. 4, 1853	4 years.....	Oct. 1, 1869	Penn.	Penn.	Democrat.
JAMES BUCHANAN...	Apr. 23, 1791	" 4, 1857	4 ".....	June 1, 1866	Kentucky.	Kentucky.	Republican.
ABRAHAM LINCOLN...	Feb. 12, 1809	" 4, 1861	4 yrs. 40 days.	April 15, 1865	Illinois.	Illinois.	"
ANDREW JOHNSON...	Dec. 29, 1808	Apr. 15, 1865	3 yrs. 10 mos.	July 31, 1873	Tennessee.	Tennessee.	"
ULYSSES S. GRANT...	Oct. 27, 1822	Mar. 4, 1869	8 years.....	July 23, 1885	Ohio.	Ohio.	"
RUTHERF'D B. HAYES.	Oct. 27, 1822	Mar. 4, 1877	4 ".....	Sept. 19, 1881	Vermont.	Vermont.	"
JAMES A. GARFIELD.	Nov. 19, 1831	Mar. 4, 1881	64 months...	Sept. 19, 1881	Ohio.	Ohio.	"
CHESTER A. ARTHUR.	Oct. 5, 1830	Mar. 4, 1881	3 yrs. 5 mos.	Sept. 19, 1881	New Jersey.	New Jersey.	Democrat.
GROVER CLEVELAND.	Mar. 18, 1837	Mar. 4, 1885	.....	.....	.....	.....	.....

## VOTE FOR PRESIDENT-1884.

STATES.	POPULAR VOTE.				ELECTORAL VOTE.	
	Blaine.	Cleveland.	Butler.	St. John.	Cleveland.	Blaine.
Alabama.....	59591	93951	873	612	10	.....
Arkansas.....	50895	72927	1847	.....	7	.....
California.....	102416	89283	2017	2920	.....	8
Colorado.....	36290	27723	1958	761	.....	3
Connecticut.....	65923	67199	1688	2305	6	.....
Delaware.....	12951	16964	6	55	3	.....
Florida.....	28031	31766	.....	72	4	.....
Georgia.....	48603	94667	145	195	12	.....
Illinois.....	337474	312355	10910	12074	.....	22
Indiana.....	238463	244990	8293	3028	15	.....
Iowa.....	197089	177316	.....	1472	.....	13
Kansas.....	154406	90132	16341	4495	.....	9
Kentucky.....	118122	152991	1691	3139	13	.....
Louisiana.....	46347	62540	.....	8	.....	.....
Maine.....	72209	52140	3953	2160	.....	6
Maryland.....	85699	90932	531	2794	8	.....
Massachusetts.....	146724	122481	24433	10026	.....	14
Michigan.....	192669	149835	42243	18403	.....	13
Minnesota.....	111923	70144	3583	4684	.....	7
Mississippi.....	43509	70510	.....	9	.....	.....
Missouri.....	202929	235988	.....	2153	16	.....
Nebraska.....	76912	54391	.....	2899	.....	5
Nevada.....	7193	5578	26	.....	.....	.....
N. Hampshire.....	43249	39183	552	1571	.....	4
New Jersey.....	123440	127798	3496	6159	9	.....
New York.....	560205	563154	16994	25016	36	.....
N. Carolina.....	125068	142952	.....	454	11	.....
Ohio.....	400082	368280	5179	11069	.....	23
Oregon.....	26860	24604	726	492	.....	3
Pennsylvania.....	473804	392785	16992	15288	.....	30
Rhode Island.....	19030	12391	422	928	.....	4
S. Carolina.....	21733	69890	.....	9	.....	.....
Tennessee.....	124078	133258	957	1131	12	.....
Texas.....	93141	225309	3321	3534	13	.....
Vermont.....	39514	17331	785	1752	.....	4
Virginia.....	139356	145497	.....	138	12	.....
W. Virginia.....	63096	67317	810	939	6	.....
Wisconsin.....	161157	146459	4598	7656	.....	11
Total.....	4851981	4874986	175370	150369	219	182

## PRESIDENTIAL VOTES IN PREVIOUS YEARS.

Year.	POPULAR VOTE.				ELECTORAL.	
	Republican.	Democrat.	Green'b'k.	Prohib.	Rep.	Dem.
1880	4454416	4444952	308578	10305	214	155
1876	4033950	4284757	81737	9522	185	184
*1872	3597070	2834079	.....	5608	286	42
†1868	3015071	2709613	.....	.....	214	71

\* Democratic vote, exclusive of 29408 for Chas. O'Connor.

† Mississippi, Texas and Virginia did not vote.

# TIDE TABLE

(The following values are derived from late determinations of the United States Coast Survey.)

To find the time (Standard Time) of High Water at any of the following places, add or subtract the hours and minutes opposite the name of place in the following Table, to or from the hours and minutes of High Water at NEW YORK for the required day, as found in the *Calendar Page*.

	h.	m.	Mean range.
	add	sub	Feet.
Eastport, Me., (Intercolonial Time) ...	3	33	18.2
<b>EASTERN STANDARD.</b>			
Bar Harbor, Me. ....	"	2 27	10.4
Rockland, Me. ....	"	2 35	9.6
Thomaston, Me. ....	"	2 45	9.4
Portland, Me. ....	"	2 55	9.1
Bath, Me. ....	"	3 49	6.1
Portsmouth, N. H. ....	"	3 3	8.6
Isles of Shoals, N. H. ....	"	2 57	8.7
Newburyport, Mass. ....	"	3 17	7.5
Gloucester, Mass. ....	"	2 44	8.9
Salem, Mass. ....	"	2 54	9.2
Nahant, Mass. ....	"	2 50	9.4
Plymouth, Mass. ....	"	2 59	10.2
Provincetown, Mass. ....	"	2 59	9.2
Edgartown, Mass. ....	"	3 55	2.0
Nantucket, Mass. ....	"	4 15	3.0
Vineyard Haven, Mass. ....	"	3 22	1.6
Wood's Hole, North Side, Mass. ....	sub.	0 21	4.0
Wood's Hole, South Side, Mass. ....	add	0 14	1.6
New Bedford Entrance (Dumpling Rock), Mass. } ....	sub.	0 20	3.7
Newport, R. I. ....	"	0 33	3.9
Bristol, R. I. ....	"	0 13	4.7
Point Judith, R. I. ....	"	0 45	3.1
Sandy Hook, N. J. ....	"	0 36	4.7
Watch Hill, R. I. ....	add	0 44	2.7
Stonington, Conn. ....	"	0 52	2.7
New London, Conn. ....	"	1 12	2.5
New Haven, Conn. ....	"	2 57	6.0
Bridgeport, Conn. ....	"	3 1	6.5
Montauk Point, L. I. ....	"	0 4	1.9
Throg's Neck, N. Y. ....	"	3 12	7.3
Cape May Landing, N. J. ....	"	0 16	4.8
Newcastle, Del. ....	"	3 52	6.5
Philadelphia, Penn. ....	"	5 42	6.0
Annapolis, Md. ....	sub.	3 19	0.9
Baltimore, Md. ....	"	1 24	1.3
Richmond, Va. ....	"	3 25	3.6
Hatteras Inlet, N. C. ....	"	0 56	2.0
Beaufort, N. C. ....	"	0 35	2.8
Charleston (C. H. Wharf), S. C. ....	"	0 19	5.1
<b>CENTRAL STANDARD.</b>			
Fort Pulaski (Savannah Ent.), Ga. ....	"	1 22	6.9
Savannah (Dry Dock Wharf), Ga. ....	"	0 25	6.5
St. Augustine, Fla. ....	"	0 17	4.1
Key West, Fla. ....	add	1 4	1.2
Tampa Bay (Egmont Key), Fla. ....	"	2 49	1.2
Cedar Keys (Depot Key), Fla. ....	"	4 52	1.9

# INTEREST LAWS OF ALL THE STATES.

STATES & TERRITORIES.	PENALTY OF USURY.	Legal.	Special.
Alabama,	Loss of interest.	8	.....
Arizona,	No penalty.	10	No limit.
Arkansas,	" " "	6	" "
California,	" " "	10	" "
Colorado,	" " "	10	" "
Connecticut,	Forfeiture of all interest.	7	" "
Dakota,	" " contract.	7	18 per ct.
Delaware,	" " "	6	6 per ct.
District of Col.	" " all interest.	6	16 per ct.
Florida,	No penalty.	8	No limit.
Georgia,	Forfeiture of excess.	7	12 per ct.
Idaho,	\$300 fine or imp't 6 mos. or both.*	10	24 per ct.
Illinois,	Forfeiture of all interest.	6	10 per ct.
Indiana,	" " interest and costs.	6	10 per ct.
Iowa,	" " excess.	6	10 per ct.
Kansas,	" " " over 12 per ct.	7	12 per ct.
Kentucky,	" " all interest.	6	10 per ct.
Louisiana,	" " interest.	5	8 per ct.
Maine,	No penalty.	6	No limit.
Maryland,	Forfeiture of excess.	6	6 per ct.
Massachusetts,	No penalty—6 per ct. on judg'ts.	6	No limit.
Michigan,	Forfeiture of excess.	7	10 per ct.
Minnesota,	" " " over 7 per ct.	7	12 per ct.
Mississippi,	Forfeiture of all interest.	6	10 per ct.
Missouri,	Forfeiture of all interest.	6	10 per ct.
Montana,	No penalty.	10	.....
Nebraska,	Forfeiture of all interest & costs.	10	12 per ct.
Nevada,	No penalty.	10	No limit.
N. Hampshire,	Forfeit of three times int. rec'd.	6	6 per ct.
New Jersey,	Forfeit of all interest.	7	7 per ct.
New Mexico,	No penalty.	6	12 per ct.
New York,	Forfeiture of contract.†	6	6 per ct.
North Carolina,	Forfeiture of interest.	6	8 per ct.
Ohio,	" " excess.	6	8 per ct.
Oregon,	" " prin., int. & costs.	10	12 per ct.
Pennsylvania,	" " excess, Act of 1838.	6	6 per ct.
Rhode Island,	" unless by contract.‡	4	No limit.
South Carolina,	No penalty.	10	" "
Tennessee,	Forfeit of over 6 p.c. & \$100 fine.	6	10 per ct.
Texas,	No penalty.	8	No limit.
Utah,	" " "	10	" "
Vermont,	Forfeit of excess on R. R. bonds.	6	7 per ct.
Virginia,	" " contract.	6	12 per ct.
Washington,	No penalty.	10	No limit.
West Virginia,	Forfeit of excess.	6	6 per ct.
Wisconsin,	" " all interest.	7	10 per ct.
Wyoming,	No penalty.	10	No limit.

\* Liable to arrest for misdemeanor.

† Also punishable as a misdemeanor. Banks forfeit interest only, or double the interest if charged in advance.

‡ Also 6 per cent. on judgments.

## VALUES IN UNITED STATES MONEY

OF THE

### PURE GOLD OR SILVER

REPRESENTING RESPECTIVELY THE MONETARY UNITS  
AND STANDARD COINS OF FOREIGN COUNTRIES.

The first section of the Act of March 3, 1873, provides "that the value of Foreign Coin, as expressed in the money of account of the United States, shall be that of the pure metal of such coin of standard value," and that "the values of the standard coins in circulation of the various nations of the world shall be estimated annually by the Director of the Mint, and be proclaimed on the first day of January by the Secretary of the Treasury."

The estimates of values contained in the following table are those made by the Director of the Mint, January 1st, 1885, in compliance with the above stated provisions of law.

COUNTRY.	MONETARY UNIT.	STANDARD.	VALUE.
Argentine Repub.	Peso .....	Gold & silv.	D. C. M. 0 96 5
Austria .....	Florin .....	Silver .....	0 37 1
Austria .....	Florin .....	Gold .....	0 48 4
Belgium .....	Franc .....	Gold & silv.	0 19 3
Bolivia .....	Boliviano .....	Silver .....	0 75 1
Brazil .....	Milreis of 1000 reis.	Gold .....	0 54 6
British America .....	Dollar .....	Gold .....	1 0 0
Central America .....	Dollar .....	Silver .....	0 93 5
Chili .....	Peso .....	Gold & silv.	0 91 2
Cuba .....	Peso .....	Gold & silv.	0 93 2
Denmark .....	Crown .....	Gold .....	0 26 8
Ecuador .....	Peso .....	Silver .....	0 75 1
Egypt .....	Piaster .....	Gold .....	0 4 9
France .....	Franc .....	Gold & silv.	0 19 3
Great Britain .....	Pound sterling .....	Gold .....	4 86 6 1/2
Greece .....	Drachma .....	Gold & silv.	0 19 3
German Empire .....	Mark .....	Gold .....	0 23 8
Hayti .....	Gourde .....	Gold & silv.	0 96 5
India .....	Rupee of 16 annas.	Silver .....	0 35 7
Italy .....	Lira .....	Gold & silv.	0 19 3
Japan .....	Yen .....	Gold & silv.	0 81 0
Liberia .....	Dollar .....	Gold .....	1 0 0
Mexico .....	Dollar .....	Silver .....	0 81 6
Netherlands .....	Florin .....	Gold & silv.	0 40 2
Norway .....	Crown .....	Gold .....	0 26 8
Paraguay .....	Peso .....	Gold .....	1 0 0
Peru .....	Sol .....	Silver .....	0 75 1
Porto Rico .....	Peso .....	Gold .....	0 92 5
Portugal .....	Milreis of 1000 reis.	Gold .....	1 8 0
Russia .....	Roubl. of 100 cop'ks	Silver .....	0 60 1
Sandwich Islands .....	Dollar .....	Gold .....	1 0 0
Spain .....	Pseta of 100 centim.	Gold & silv.	0 19 3
Sweden .....	Crown .....	Gold .....	0 26 8
Switzerland .....	Franc .....	Gold & silv.	0 19 3
Tripoli .....	Mahbub of 20 piast's	Silver .....	0 67 7
Turkey .....	Piaster .....	Gold .....	0 4 4
U. S. of Colombia .....	Peso .....	Silver .....	0 75 1
Uruguay .....	Patacon .....	Gold .....	0 94 8
Venezuela .....	Bolivar .....	Gold & silv.	0 19 3

## BUSINESS LAW IN DAILY USE.

The following compilation of business law contains the essence of a large amount of legal verbiage:

If a note is lost or stolen, it does not release the maker: he must pay it, if the consideration for which it was given and the amount can be proven.

Notes bear interest only when so stated.

Principals are responsible for the acts of their agents.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of special partnership.

Ignorance of the law excuses no one.

The law compels no one to do impossibilities.

An agreement without consideration is void.

A note made on Sunday is void.

Contracts made on Sunday cannot be enforced.

A note by a minor is void.

A contract made with a minor is void.

A contract made with a lunatic is void.

A note obtained by fraud, or from a person in a state of intoxication, cannot be collected.

It is a fraud to conceal a fraud.

Signatures made with a lead pencil are good in law.

A receipt for money is not always conclusive.

The acts of one partner bind all the rest.

"Value received" is usually written in a note, and should be, but is not necessary. If not written it is presumed by the law, or may be supplied by proof.

The maker of an "accommodation" bill or note (one for which he has received no consideration, having lent his name or credit for the accommodation of the holder) is not bound to the person accommodated, but is bound to all other parties, precisely as if there was a good consideration.

No consideration is sufficient in law if it be illegal in its nature.

Checks or drafts must be presented for payment without unreasonable delay.

Checks or drafts should be presented during business hours, but in this country, except in the case of banks, the time extends through the day and evening.

If the drawee of a check or draft has changed his residence, the holder must use due or reasonable diligence to find him.

If one who holds a check as payee or otherwise, transfers it to another, he has a right to insist that the check be presented that day, or, at farthest, on the day following.

A note indorsed in blank (the name of the indorser only written) is transferable by delivery, the same as if made payable to bearer.

If the time of payment of a note is not inserted, it is held payable on demand.

## SHORT METHOD

### FOR CALCULATING INTEREST.

Multiply the principal by as many hundreds as there are days, and

For 4 per cent	.....	Divide by 90
" 5 "	"	" 72
" 6 "	"	" 60
" 7 "	"	" 52
" 8 "	"	" 45
" 9 "	"	" 40
" 10 "	"	" 36
" 12 "	"	" 30

EXAMPLE—INTEREST on \$50 for 30 days at 4%.  
 $50 \times 30 = 1500$ , which divided by 90 = 16 $\frac{2}{3}$  cents—the required result.

## FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Feb. 6
Quinquagesima—Shrove Sunday	Feb. 20
Ash Wednesday	Feb. 23
First Sunday in Lent	Feb. 27
St. Patrick	Mar. 17
Palm Sunday	April 3
Good Friday	April 8
Easter Sunday	April 10
Low Sunday	April 17
Rogation Sunday	May 15
Ascension Day—Holy Thursday	May 19
Pentecost—Whit Sunday	May 29
Trinity Sunday	June 5
Corpus Christi	June 9
St. John Baptist	June 24
Michaelmas Day	Sept. 29
First Sunday in Advent	Nov. 27
St. Andrew	Nov. 30
Christmas Day	Dec. 25

## CHRONOLOGICAL CYCLES.

Dominical Letter	B
Epact	6
Lunar Cycle, or Golden Number	7
Solar Cycle	20
Roman Indiction	15
Julian Period	6600

## ECLIPSES FOR THE YEAR.

In the year 1887 there will be four Eclipses; two of the Sun, and two of the Moon.

I. A PARTIAL ECLIPSE OF THE MOON, February 8.  
 Visible entire to North America and Pacific Ocean, and more or less to South America, China and Australia. Occurring as follows:—

	Eastern Standard.	Central Standard.	Mountain Standard.
	D. H. M.	D. H. M.	D. H. M.
Moon enters Penumbra	8 3 1 M.	8 2 1 M.	8 1 1 M.
Moon enters Shadow	8 4 14 M.	8 3 14 M.	8 2 14 M.
Middle of Eclipse	8 5 22 M.	8 4 22 M.	8 3 22 M.
Moon leaves Shadow	8 6 30 M.	8 5 30 M.	8 4 30 M.
Moon leaves Penumbra	8 7 43 M.	8 6 43 M.	8 5 43 M.

Magnitude of Eclipse = 0.436, (Moon's diameter = 1).

II. AN ANNULAR ECLIPSE OF THE SUN, February 22. Invisible. Visible in part to the western coast of South America and the eastern coast of Australia, and wholly to New Zealand and South Pacific Ocean. Being annular along a line drawn from a point south of Tasmania, passing south of New Zealand, and terminating on the western edge of Bolivia.

III. A PARTIAL ECLIPSE OF THE MOON, August 3. Invisible. Visible more or less to the world generally, except to North America.

IV. A TOTAL ECLIPSE OF THE SUN, August 19. Invisible. Visible to the most of Europe, Asia and the Arctic Ocean. Being total along a line drawn through Berlin and Königsberg, and running just north of Moscow and Yedo.

## MORNING AND EVENING STARS.

MERCURY will be Evening Star about March 5, July 1, and October 27; and Morning Star about April 17, August 16, and December 6.

VENUS will be Evening Star till September 21; and Morning Star the rest of the year.

JUPITER will be Morning Star till April 21; then Evening Star till November 8; and Morning Star again the rest of the year.

# MOON'S PERIGEE AND APOGEE.

	Eastern Standard.	Central Standard.
JAN. . .	{ PERIGEE .. 12d. 1h. M. . 12d. oh. M. APOGEE .. 28d. 2h. M. . 28d. 1h. M.	
FEB. . .	{ PERIGEE .. 9d. 7h. M. . 9d. 6h. M. APOGEE .. 24d. 1h. A. . 24d. oh. A.	
MAR. . .	{ PERIGEE .. 9d. 7h. A. . 9d. 6h. A. APOGEE .. 23d. 2h. A. . 23d. 1h. A.	
APRIL. .	{ PERIGEE .. 7d. 7h. M. . 7d. 6h. M. APOGEE .. 19d. 9h. A. . 19d. 8h. A.	
MAY. . .	{ PERIGEE .. 5d. 1h. A. . 5d. oh. A. APOGEE .. 17d. 1h. A. . 17d. oh. A.	
JUNE. . .	{ PERIGEE .. 2d. 6h. M. . 2d. 5h. M. APOGEE .. 14d. 7h. M. . 14d. 6h. M. PERIGEE .. 28d. 2h. M. . 28d. 1h. M.	
JULY. . .	{ APOGEE .. 12d. 1h. M. . 12d. oh. M. PERIGEE .. 24d. 1h. M. . 24d. oh. M.	
AUG. . .	{ APOGEE .. 8d. 7h. A. . 8d. 6h. A. PERIGEE .. 20d. 7h. A. . 20d. 6h. A.	
SEPT. . .	{ APOGEE .. 5d. 10h. M. . 5d. 9h. M. PERIGEE .. 18d. 2h. M. . 18d. 1h. M.	
OCT. . .	{ APOGEE .. 2d. 5h. A. . 2d. 4h. A. PERIGEE .. 16d. 1h. A. . 16d. oh. A. APOGEE .. 29d. 6h. A. . 29d. 5h. A.	
NOV. . .	{ PERIGEE .. 14d. oh. M. . 13d. 11h. A. APOGEE .. 26d. 4h. M. . 26d. 3h. M.	
DEC. . .	{ PERIGEE .. 12d. 5h. M. . 12d. 4h. M. APOGEE .. 23d. 10h. A. . 23d. 9h. A.	

## THE SEASONS.

	Eastern Standard.	Central Standard.
Vernal Equinox,	Mar. 20, 5h. A.	Mar. 20, 4h. A.
Summer Solstice,	June 21, 1h. A.	June 21, oh. A.
Autumnal Equinox,	Sept. 23, 4h. M.	Sept. 23, 3h. M.
Winter Solstice,	Dec. 21, 10h. A.	Dec. 21, 9h. A.
	Mountain Standard.	Pacific Standard.
Vernal Equinox,	Mar. 20, 3h. A.	Mar. 20, 2h. A.
Summer Solstice,	June 21, 11h. M.	June 21, 10h. M.
Autumnal Equinox,	Sept. 23, 2h. M.	Sept. 23, 1h. M.
Winter Solstice,	Dec. 21, 8h. A.	Dec. 21, 7h. A.



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
FIRST QUARTER...	2d. 7h. 20m. M.	2d. 6h. 20m. M.
FULL MOON .....	9d. 5h. 32m. A.	9d. 4h. 32m. A.
LAST QUARTER...	16d. 10h. 22m. M.	16d. 9h. 22m. M.
NEW MOON .....	23d. 10h. 1m. A.	23d. 9h. 1m. A.

BOST'N & CHICAGO.					BOST.		N. Y. & PHILA.				N. Y.				
D. of M.	Day of W'k.	Local Mean Time.		Stand- ard Time.	TIDE.	D. of M.	Local Mean Time.		Stand- ard Time.	TIDE.	D. of M.	Local Mean Time.		Stand- ard Time.	
		SUN R. & S.	MOON R. & S.				SUN R. & S.	MOON R. & S.				SUN R. & S.	MOON R. & S.		
1	SA.	7 30	11 49		3 46	1	7 25	11 49		0 45	1	7 25	11 49		0 45
2	S	8 39	morn		4 33	2	8 44	morn		1 32	2	8 44	morn		1 32
3	Mo.	7 30	0 47		5 22	3	7 25	0 46		2 20	3	7 25	0 46		2 20
4	Tu.	8 40	1 47		6 15	4	8 46	1 45		3 13	4	8 46	1 45		3 13
5	We.	7 30	2 47		7 10	5	7 25	2 44		4 7	5	7 25	2 44		4 7
6	Th.	8 43	3 49		8 7	6	8 48	3 56		5 4	6	8 48	3 56		5 4
7	Fr.	7 30	4 52		9 2	7	7 25	4 48		6 0	7	7 25	4 48		6 0
8	SA.	8 45	5 55		9 57	8	8 50	5 51		6 55	8	8 50	5 51		6 55
9	S	7 29	rises.		10 51	9	7 24	rises.		7 44	9	7 24	rises.		7 44
10	Mo.	8 47	5 58		11 41	10	8 52	6 2		8 37	10	8 52	6 2		8 37
11	Tu.	7 28	7 9		0 6	11	7 24	7 12		9 29	11	7 24	7 12		9 29
12	We.	8 49	8 21		0 55	12	8 54	8 23		10 17	12	8 54	8 23		10 17
13	Th.	7 28	9 33		1 45	13	7 23	9 34		11 4	13	7 23	9 34		11 4
14	Fr.	8 51	10 44		2 35	14	8 56	10 44		11 57	14	8 56	10 44		11 57
15	SA.	7 27	11 54		3 25	15	7 22	11 53		0 23	15	7 22	11 53		0 23
16	S	8 53	morn		4 18	16	8 58	morn		1 18	16	8 58	morn		1 18
17	Mo.	7 26	1 2		5 18	17	7 21	1 0		2 16	17	7 21	1 0		2 16
18	Tu.	8 56	2 8		6 20	18	8 5	2 5		3 18	18	8 5	2 5		3 18
19	We.	7 25	3 12		7 21	19	7 20	3 9		4 18	19	7 20	3 9		4 18
20	Th.	8 58	4 14		8 20	20	8 5	4 10		5 17	20	8 5	4 10		5 17
21	Fr.	7 24	5 11		9 16	21	7 19	5 7		6 14	21	7 19	5 7		6 14
22	SA.	8 5	6 3		10 7	22	8 5	6 59		7 4	22	8 5	6 59		7 4
23	S	7 22	sets.		10 54	23	7 18	sets.		7 48	23	7 18	sets.		7 48
24	Mo.	8 5	5 49		11 35	24	8 5	5 52		8 31	24	8 5	5 52		8 31
25	Tu.	7 21	6 47		....	25	7 17	6 50		9 12	25	7 17	6 50		9 12
26	We.	8 5	6 45		0 34	26	8 5	7 47		9 51	26	8 5	7 47		9 51
27	Th.	7 19	8 42		1 13	27	7 15	8 43		10 28	27	7 15	8 43		10 28
28	Fr.	8 5	9 39		1 51	28	8 5	9 39		11 4	28	8 5	9 39		11 4
29	SA.	7 17	10 36		2 29	29	7 13	10 35		11 44	29	7 13	10 35		11 44
30	S	8 12	11 34		3 7	30	8 15	11 33		0 5	30	8 15	11 33		0 5
31	Mo.	7 15	morn		3 49	31	7 11	morn		0 48	31	7 11	morn		0 48



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
FIRST QUARTER ..	1d. 3h. 27m. M.	1d. 2h. 27m. M.
FULL MOON .....	8d. 5h. 14m. M.	8d. 4h. 14m. M.
LAST QUARTER...	14d. 8h. 32m. A.	14d. 7h. 32m. A.
NEW MOON.....	22d. 4h. 40m. A.	22d. 3h. 40m. A.

BOST'N & CHICAGO.				TIDE.	N. Y. & PHILA.				TIDE.
D.of M.	Day of W'k.	Local Mean Time.			D.of M.	Local Mean Time.			
		SUN R.&S.	MOON R.&S.	Stand- ard Time.		SUN R.&S.	MOON R.&S.	Stand- ard Time.	
1	TU.	17 14	0 33	4 37	1	17 10	0 31	1 36	
2	WE.	15 15	1 33	5 32	2	15 19	1 30	2 30	
3	TH.	17 12	2 34	6 31	3	17 9	2 30	3 29	
4	FR.	15 18	3 35	7 33	4	15 21	3 31	4 29	
5	SA.	17 10	4 35	8 36	5	17 7	4 31	5 33	
6	S	15 20	5 32	9 35	6	15 24	5 28	6 33	
7	MO.	17 8	6 24	10 33	7	17 4	6 20	7 29	
8	TU.	15 23	rises.	11 24	8	15 26	rises.	8 18	
9	WE.	17 6	7 12	.....	9	17 2	7 14	9 11	
10	TH.	15 26	8 26	0 36	10	15 29	8 27	9 59	
11	FR.	17 2	9 39	1 26	11	17 0	9 39	10 45	
12	SA.	15 28	10 50	2 14	12	15 31	10 49	11 33	
13	S	17 0	11 59	3 3	13	17 57	11 57	.....	
14	MO.	15 31	morn	3 56	14	15 33	morn	0 54	
15	TU.	16 58	1 5	4 54	15	16 54	1 2	1 51	
16	WE.	15 33	2 8	5 54	16	15 36	2 4	2 52	
17	TH.	16 55	3 7	6 58	17	16 52	3 3	3 55	
18	FR.	15 36	4 0	7 59	18	15 38	3 56	4 56	
19	SA.	16 52	4 48	8 55	19	16 49	4 44	5 52	
20	S	15 38	5 30	9 44	20	15 41	5 26	6 42	
21	MO.	16 49	6 7	10 29	21	16 46	6 4	7 25	
22	TU.	15 41	sets.	11 9	22	15 43	sets.	8 4	
23	WE.	16 46	6 34	11 46	23	16 43	6 35	8 42	
24	TH.	15 43	7 32	0 4	24	15 46	7 33	9 21	
25	FR.	16 43	8 29	0 41	25	16 40	8 29	9 57	
26	SA.	15 46	9 26	1 17	26	15 48	9 25	10 31	
27	S	16 39	10 24	1 54	27	16 38	10 22	11 8	
28	MO.	15 48	11 22	2 33	28	15 50	11 19	11 49	



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
FIRST QUARTER ..	2d. 8h. 8m. A.	2d. 7h. 8m. A.
FULL MOON .....	9d. 3h. 34m. A.	9d. 2h. 34m. A.
LAST QUARTER...	16d. 8h. 42m. M.	16d. 7h. 42m. M.
NEW MOON.....	24d. 11h. 10m. M.	24d. 10h. 10m. M.

BOST'N & CHICAGO.				BOST.	N. Y. & PHILA.				N. Y.
D.of M.	Day of W'k.	Local Mean Time.		Stand- ard Time.	D.of M.	Local Mean Time.		Stand- ard Time.	TIDE.
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.		
1	TU.	16 36	morn	3 14	1	16 35	morn	0 12	
2	WE.	15 51	0 21	4 1	2	15 52	0 18	1 0	
3	TH.	16 33	1 21	4 56	3	16 31	1 17	1 54	
4	FR.	15 53	2 20	5 58	4	15 54	2 16	2 56	
5	SA.	16 30	3 16	7 5	5	16 28	3 12	4 2	
6	S	15 56	4 9	8 12	6	15 57	4 5	5 8	
7	MO.	16 27	4 57	9 13	7	16 25	4 53	6 11	
8	TU.	15 58	5 41	10 12	8	15 59	5 38	7 9	
9	WE.	16 23	rises.	11 3	9	16 22	rises.	7 57	
10	TH.	16 0	7 13	11 50	10	16 1	7 13	8 48	
11	FR.	16 19	8 29	0 14	11	16 19	8 28	9 36	
12	SA.	16 3	9 42	1 2	12	16 3	9 40	10 22	
13	S	16 16	10 52	1 50	13	16 15	10 49	11 9	
14	MO.	16 5	11 58	2 40	14	16 5	11 54	.....	
15	TU.	16 13	morn	3 31	15	16 12	morn	0 30	
16	WE.	16 7	1 0	4 28	16	16 7	0 56	1 27	
17	TH.	16 9	1 56	5 29	17	16 9	1 52	2 27	
18	FR.	16 10	2 46	6 33	18	16 10	2 42	3 30	
19	SA.	16 6	3 30	7 32	19	16 6	3 26	4 29	
20	S	16 12	4 9	8 27	20	16 12	4 6	5 24	
21	MO.	16 2	4 43	9 15	21	16 2	4 40	6 13	
22	TU.	16 14	5 14	10 0	22	16 14	5 12	6 57	
23	WE.	15 59	5 42	10 39	23	15 59	5 41	7 35	
24	TH.	16 16	sets.	11 16	24	16 16	sets.	8 10	
25	FR.	15 55	7 20	11 50	25	15 56	7 19	8 47	
26	SA.	16 19	8 18	0 8	26	16 18	8 16	9 25	
27	S	15 52	9 16	0 45	27	15 52	9 14	10 1	
28	MO.	16 21	10 15	1 23	28	16 20	10 12	10 39	
29	TU.	15 48	11 14	2 4	29	15 49	11 10	11 20	
30	WE.	16 23	morn	2 46	30	16 22	morn	.....	
31	TH.	15 45	0 12	3 35	31	15 46	0 8	0 33	



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
FIRST QUARTER...	1d. 8h. 53m. M.	1d. 7h. 53m. M.
FULL MOON.....	8d. 0h. 39m. M.	7d. 11h. 39m. A.
LAST QUARTER...	14d. 11h. 4m. A.	14d. 10h. 4m. A.
NEW MOON.....	23d. 3h. 53m. M.	23d. 2h. 53m. M.
FIRST QUARTER...	30d. 6h. 0m. A.	30d. 5h. 0m. A.

BOST'N & CHICAGO.				BOST. N. Y. & PHILA.			
D. of M.	Day of W'k.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.	
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.
1	FR.	75 43	1 8	4 32	1	75 44	1 4
2	SA.	76 26	2 1	5 35	2	76 25	1 57
3	S.	75 40	2 49	6 42	3	75 41	2 45
4	MO.	76 29	3 33	7 50	4	76 27	3 30
5	TU.	75 36	4 13	8 52	5	75 38	4 11
6	WE.	76 31	4 51	9 48	6	76 29	4 50
7	TH.	75 33	5 28	10 42	7	75 35	5 28
8	FR.	76 33	rises.	11 28	8	76 32	rises.
9	SA.	75 30	8 29	.....	9	75 31	8 26
10	S.	76 36	9 40	0 39	10	76 34	9 37
11	MO.	75 26	10 47	1 28	11	75 28	10 43
12	TU.	76 38	11 48	2 17	12	76 36	11 44
13	WE.	75 23	morn	3 8	13	75 25	morn
14	TH.	76 40	0 42	4 3	14	76 38	0 38
15	FR.	75 20	1 29	5 1	15	75 22	1 25
16	SA.	76 42	2 9	6 1	16	76 40	2 5
17	S.	75 16	2 45	6 59	17	75 19	2 42
18	MO.	76 44	3 17	7 52	18	76 42	3 15
19	TU.	75 13	3 46	8 39	19	75 16	3 44
20	WE.	76 47	4 14	9 24	20	76 44	4 13
21	TH.	75 10	4 41	10 5	21	75 13	4 41
22	FR.	76 49	5 7	10 44	22	76 46	5 8
23	SA.	75 7	sets.	11 20	23	75 10	sets.
24	S.	76 51	8 9	11 58	24	76 48	8 6
25	MO.	75 4	9 10	0 17	25	75 7	9 6
26	TU.	76 53	10 8	0 58	26	76 50	10 4
27	WE.	75 11	11 4	1 41	27	75 4	11 0
28	TH.	76 56	11 58	2 28	28	76 52	11 54
29	FR.	74 59	morn	3 17	29	75 2	morn
30	SA.	76 58	0 46	4 13	30	76 54	0 42
31	.....	.....	.....	.....	31	.....	.....



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
FULL MOON.....	7d. 9h. 1m. M.	7d. 8h. 1m. M.
LAST QUARTER...	14d. 3h. 17m. A.	14d. 2h. 17m. A.
NEW MOON.....	22d. 6h. 5m. A.	22d. 5h. 5m. A.
FIRST QUARTER...	30d. 0h. 19m. M.	29d. 11h. 19m. A.

BOST'N & CHICAGO.				BOST. N. Y. & PHILA.			
D. of M.	Day of W'k.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.	
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.
1	S.	74 56	1 30	5 16	1	74 59	1 27
2	MO.	77 0	2 10	6 21	2	76 57	2 7
3	TU.	74 53	2 47	7 27	3	74 57	2 45
4	WE.	77 2	3 23	8 29	4	76 59	3 22
5	TH.	74 50	3 58	9 25	5	74 54	3 58
6	FR.	77 4	4 33	10 17	6	77 1	4 34
7	SA.	74 48	rises.	11 8	7	74 52	rises.
8	S.	77 7	8 25	11 53	8	77 3	8 21
9	MO.	74 45	9 32	0 17	9	74 49	9 28
10	TU.	77 9	10 31	1 7	10	77 5	10 26
11	WE.	74 43	11 23	1 55	11	74 47	11 19
12	TH.	77 11	morn	2 44	12	77 7	morn
13	FR.	74 41	0 7	3 35	13	74 45	0 3
14	SA.	77 13	0 45	4 28	14	77 9	0 42
15	S.	74 39	1 19	5 22	15	74 43	1 16
16	MO.	77 15	1 49	6 16	16	77 11	1 47
17	TU.	74 37	2 17	7 8	17	74 41	2 16
18	WE.	77 17	2 44	7 57	18	77 13	2 44
19	TH.	74 35	3 11	8 43	19	74 40	3 12
20	FR.	77 19	3 39	9 27	20	77 14	3 40
21	SA.	74 33	4 8	10 11	21	74 38	4 10
22	S.	77 21	sets.	10 53	22	77 16	sets.
23	MO.	74 31	8 2	11 33	23	74 36	7 58
24	TU.	77 23	9 0	.....	24	77 18	8 56
25	WE.	74 30	9 55	0 38	25	74 35	9 50
26	TH.	77 25	10 46	1 24	26	77 20	10 42
27	FR.	74 29	11 3	2 13	27	74 34	11 27
28	SA.	77 27	morn	3 4	28	77 21	morn
29	S.	74 27	0 12	3 58	29	74 33	0 9
30	MO.	77 28	0 50	4 59	30	77 23	0 48
31	TU.	74 26	1 24	5 59	31	74 32	1 23



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
FULL MOON .....	5d. 5h. 38m. A.	5d. 4h. 38m. A.
LAST QUARTER...	13d. 8h. 35m. M.	13d. 7h. 35m. M.
NEW MOON.....	21d. 5h. 53m. M.	21d. 4h. 53m. M.
FIRST QUARTER ..	28d. 5h. 1m. M.	28d. 4h. 1m. M.

BOST'N & CHICAGO.	BOST.	N. Y. & PHILA.	N. Y.
(In Standard Time.)	And Eastern Division.	And Central Division.	
D.of M.	Day of Wk.	Local Mean Time.	TIDE.
D.of M.	Day of Wk.	Local Mean Time.	TIDE.
D.of M.	Day of Wk.	Local Mean Time.	TIDE.

D.of M.	Day of Wk.	SUN R.&S.	MOON R.&S.	Stand-ard Time.	D.of M.	Day of Wk.	SUN R.&S.	MOON R.&S.	Stand-ard Time.
1	WE.	74 26	1 57	7 3	1	74 31	1 57	4 0	
2	TH.	75 30	2 31	8 4	2	75 25	2 32	5 0	
3	FR.	74 25	3 6	9 1	3	74 30	3 8	5 59	
4	SA.	75 32	3 44	9 56	4	75 27	3 47	6 54	
5	S	74 24	rises.	10 47	5	74 29	rises.	7 42	
6	MO.	75 33	8 15	11 35	6	75 28	8 11	8 31	
7	TU.	74 23	9 12	.....	7	74 29	9 7	9 21	
8	WE.	75 35	10 1	0 47	8	75 29	9 57	10 8	
9	TH.	74 23	10 43	1 34	9	74 28	10 39	10 51	
10	FR.	75 36	11 19	2 20	10	75 30	11 16	11 38	
11	SA.	74 22	11 51	3 4	11	74 28	11 49	0 1	
12	S	75 37	morn	3 50	12	75 31	morn	0 49	
13	MO.	74 22	0 20	4 38	13	74 28	0 19	1 37	
14	TU.	75 38	0 47	5 28	14	75 32	0 46	2 26	
15	WE.	74 22	1 14	6 19	15	74 28	1 14	3 17	
16	TH.	75 38	1 41	7 11	16	75 33	1 42	4 7	
17	FR.	74 22	2 10	8 2	17	74 28	2 12	4 58	
18	SA.	75 39	2 41	8 51	18	75 33	2 44	5 48	
19	S	74 23	3 16	9 38	19	74 28	3 19	6 36	
20	MO.	75 40	3 57	10 26	20	75 34	4 1	7 23	
21	TU.	74 23	sets.	11 13	21	74 29	sets.	8 8	
22	WE.	75 40	8 42	11 58	22	75 34	8 38	8 55	
23	TH.	74 23	9 31	0 22	23	74 29	9 27	9 44	
24	FR.	75 40	10 14	1 10	24	75 35	10 11	10 31	
25	SA.	74 24	10 53	2 0	25	74 30	10 51	11 19	
26	S	75 40	11 28	2 48	26	75 35	11 27	.....	
27	MO.	74 25	morn	3 40	27	74 30	morn	0 39	
28	TU.	75 40	0 1	4 35	28	75 35	0 1	1 34	
29	WE.	74 25	0 33	5 37	29	74 31	0 34	2 35	
30	TH.	75 40	1 7	6 39	30	75 35	1 9	3 36	



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
FULL MOON .....	5d. 3h. 34m. M.	5d. 2h. 34m. M.
LAST QUARTER...	13d. 1h. 57m. M.	13d. 0h. 57m. M.
NEW MOON.....	20d. 3h. 50m. A.	20d. 2h. 50m. A.
FIRST QUARTER ..	27d. 9h. 30m. M.	27d. 8h. 30m. M.

BOST'N & CHICAGO.	BOST.	N. Y. & PHILA.	N. Y.
(In Standard Time.)	And Eastern Division.	And Central Division.	
D.of M.	Day of Wk.	Local Mean Time.	TIDE.
D.of M.	Day of Wk.	Local Mean Time.	TIDE.
D.of M.	Day of Wk.	Local Mean Time.	TIDE.

D.of M.	Day of Wk.	SUN R.&S.	MOON R.&S.	Stand-ard Time.	D.of M.	Day of Wk.	SUN R.&S.	MOON R.&S.	Stand-ard Time.
1	FR.	74 26	1 43	7 41	1	74 32	1 46	4 37	
2	SA.	75 40	2 22	8 41	2	75 35	2 25	5 39	
3	S	74 27	3 6	9 38	3	74 33	3 10	6 36	
4	MO.	75 40	3 55	10 31	4	75 34	3 59	7 27	
5	TU.	74 29	rises.	11 18	5	74 34	rises.	8 12	
6	WE.	75 40	8 38	.....	6	75 34	8 34	9 1	
7	TH.	74 30	9 16	0 26	7	74 36	9 13	9 46	
8	FR.	75 39	9 50	1 9	8	75 33	9 47	10 26	
9	SA.	74 31	10 21	1 51	9	74 37	10 19	11 5	
10	S	75 38	10 50	2 31	10	75 32	10 49	11 48	
11	MO.	74 33	11 17	3 12	11	74 38	11 17	0 9	
12	TU.	75 37	11 43	3 55	12	75 32	11 44	0 54	
13	WE.	74 34	morn	4 41	13	74 40	morn	1 49	
14	TH.	75 36	0 10	5 30	14	75 31	0 12	2 29	
15	FR.	74 36	0 40	6 24	15	74 41	0 42	3 21	
16	SA.	75 35	1 13	7 16	16	75 29	1 16	4 15	
17	S	74 37	1 50	8 14	17	74 43	1 54	5 12	
18	MO.	75 34	2 33	9 10	18	75 28	2 37	6 8	
19	TU.	74 39	3 25	10 4	19	74 44	3 30	7 1	
20	WE.	75 32	sets.	10 55	20	75 27	sets.	7 49	
21	TH.	74 41	8 9	11 42	21	74 46	8 5	8 39	
22	FR.	75 30	8 51	0 6	22	75 25	8 48	9 29	
23	SA.	74 43	9 29	0 54	23	74 48	9 27	10 15	
24	S	75 29	10 4	1 43	24	75 23	10 3	11 1	
25	MO.	74 45	10 37	2 31	25	74 49	10 37	11 52	
26	TU.	75 27	11 10	3 20	26	75 22	11 11	0 18	
27	WE.	74 47	11 45	4 14	27	74 51	11 47	1 13	
28	TH.	75 25	morn	5 13	28	75 20	morn	2 11	
29	FR.	74 49	0 23	6 16	29	74 53	0 26	3 14	
30	SA.	75 23	1 5	7 21	30	75 18	1 9	4 18	
31	S	74 51	1 50	8 23	31	74 55	1 54	5 20	



MOON'S PHASES.	BOSTON.			CHICAGO.		
(In Standard Time.)	And Eastern Division.			And Central Division.		
FULL MOON .....	3d.	3h.	40m. A.	3d.	2h.	40m. A.
LAST QUARTER...	11d.	6h.	36m. A.	11d.	5h.	36m. A.
NEW MOON.....	19d.	0h.	38m. M.	18d.	11h.	38m. A.
FIRST QUARTER..	25d.	3h.	21m. A.	25d.	2h.	21m. A.

BOST'N & CHICAGO.				Bost.	N. Y. & PHILA.				N. Y.
Local Mean Time.				TIDE.	Local Mean Time.				TIDE.
D. of M.	Day of W'k.	SUN R.&S.	MOON R.&S.	Stand-ard Time.	D. of M.	SUN R.&S.	MOON R.&S.	Stand-ard Time.	
1	MO.	74 52	2 40	9 21	1	74 56	2 45	6 19	
2	TU.	77 19	3 36	10 13	2	77 15	3 40	7 10	
3	WE.	74 54	rises.	11 0	3	74 58	rises.	7 53	
4	TH.	77 16	7 50	11 41	4	77 12	7 47	8 38	
5	FR.	74 56	8 22	0 1	5	75 0	8 20	9 19	
6	SA.	77 14	8 51	0 41	6	77 10	8 50	9 58	
7	S.	74 58	9 19	1 18	7	75 2	9 18	10 32	
8	MO.	77 11	9 46	1 57	8	77 8	9 46	11 10	
9	TU.	75 0	10 13	2 34	9	75 4	10 14	11 50	
10	WE.	77 8	10 41	3 14	10	77 5	10 43	0 11	
11	TH.	75 2	11 11	3 57	11	75 5	11 14	0 56	
12	FR.	77 6	11 45	4 46	12	77 2	11 49	1 45	
13	SA.	75 4	morn	5 41	13	75 7	morn	2 39	
14	S.	77 3	0 25	6 40	14	77 0	0 29	3 38	
15	MO.	75 6	1 12	7 43	15	75 9	1 16	4 39	
16	TU.	77 0	2 6	8 43	16	75 6	2 11	5 40	
17	WE.	75 8	3 7	9 41	17	75 11	3 11	6 39	
18	TH.	76 57	4 15	10 36	18	76 54	4 19	7 31	
19	FR.	75 11	sets.	11 25	19	75 13	sets.	8 20	
20	SA.	76 54	8 2	.....	20	76 51	8 1	9 11	
21	S.	75 13	8 37	0 35	21	75 15	8 37	9 57	
22	MO.	76 51	9 11	1 23	22	76 48	9 12	10 42	
23	TU.	75 15	9 46	2 11	23	75 17	9 48	11 30	
24	WE.	76 48	10 23	3 0	24	76 45	10 26	.....	
25	TH.	75 17	11 3	3 52	25	75 19	11 7	0 51	
26	FR.	76 44	11 47	4 52	26	76 42	11 51	1 51	
27	SA.	75 19	morn	5 57	27	75 21	morn	2 55	
28	S.	76 41	0 37	7 3	28	76 39	0 42	4 0	
29	MO.	75 21	1 32	8 5	29	75 23	1 36	5 1	
30	TU.	76 38	2 29	9 0	30	76 36	2 33	5 58	
31	WE.	75 23	3 27	9 50	31	75 25	3 31	6 48	



MOON'S PHASES.	BOSTON.			CHICAGO.		
(In Standard Time.)	And Eastern Division.			And Central Division.		
FULL MOON .....	2d.	6h.	12m. M.	2d.	5h.	12m. M.
LAST QUARTER...	10d.	10h.	3m. M.	10d.	9h.	3m. M.
NEW MOON.....	17d.	9h.	0m. M.	17d.	8h.	0m. M.
FIRST QUARTER..	24d.	0h.	4m. M.	23d.	11h.	4m. A.

BOST'N & CHICAGO.				Bost.	N. Y. & PHILA.				N. Y.
Local Mean Time.				TIDE.	Local Mean Time.				TIDE.
D. of M.	Day of W'k.	SUN R.&S.	MOON R.&S.	Stand-ard Time.	D. of M.	SUN R.&S.	MOON R.&S.	Stand-ard Time.	
1	TH.	75 24	4 25	10 36	1	75 26	4 28	7 32	
2	FR.	76 33	rises.	11 15	2	76 31	rises.	8 9	
3	SA.	75 26	7 21	11 51	3	75 28	7 20	8 49	
4	S.	76 29	7 48	0 9	4	76 28	7 48	9 26	
5	MO.	75 28	8 14	0 46	5	75 30	8 15	10 2	
6	TU.	76 26	8 41	1 22	6	76 25	8 43	10 35	
7	WE.	75 30	9 10	1 59	7	75 32	9 13	11 13	
8	TH.	76 23	9 43	2 39	8	76 21	9 46	11 56	
9	FR.	75 33	10 21	3 21	9	75 34	10 25	0 19	
10	SA.	76 19	11 4	4 9	10	76 18	11 8	1 1	
11	S.	75 35	11 52	5 5	11	75 36	11 57	2 4	
12	MO.	76 16	morn	6 9	12	76 15	morn	3 6	
13	TU.	75 37	0 48	7 14	13	75 38	0 52	4 10	
14	WE.	76 12	1 51	8 19	14	76 11	1 55	5 16	
15	TH.	75 39	3 1	9 19	15	75 40	3 4	6 17	
16	FR.	76 9	4 14	10 15	16	76 8	4 16	7 11	
17	SA.	75 41	sets.	11 5	17	75 42	sets.	7 59	
18	S.	76 5	7 7	11 51	18	76 5	7 7	8 47	
19	MO.	75 43	7 42	0 14	19	75 44	7 44	9 37	
20	TU.	76 2	8 19	1 1	20	76 1	8 22	10 21	
21	WE.	75 45	8 59	1 51	21	75 46	9 2	11 10	
22	TH.	75 58	9 44	2 40	22	75 58	9 48	.....	
23	FR.	75 48	10 33	3 34	23	75 48	10 38	0 32	
24	SA.	75 54	11 26	4 33	24	75 55	11 31	1 32	
25	S.	75 50	morn	5 37	25	75 50	morn	2 35	
26	MO.	75 51	0 22	6 40	26	75 51	0 26	3 37	
27	TU.	75 52	1 20	7 41	27	75 52	1 24	4 37	
28	WE.	75 47	2 19	8 35	28	75 48	2 22	5 32	
29	TH.	75 54	3 18	9 22	29	75 54	3 20	6 20	
30	FR.	75 44	4 16	10 5	30	75 44	4 18	7 3	



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
FULL MOON .....	rd. 10h. 47m. A.	rd. 9h. 47m. A.
LAST QUARTER...	9d. 11h. 57m. A.	9d. 10h. 57m. A.
NEW MOON.....	16d. 5h. 35m. A.	16d. 4h. 35m. A.
FIRST QUARTER...	23d. 0h. 46m. A.	23d. 11h. 46m. M.
FULL MOON.....	31d. 4h. 31m. A.	31d. 3h. 31m. A.

BOST'N & CHICAGO.				BOST.	N. Y. & PHILA.	N. Y.
D. of M.	Day of W'k.	Local Mean Time.	TIDE.	D. of M.	Local Mean Time.	TIDE.
		SUN R.&S. MOON R.&S.	Stand-ard Time.		SUN R.&S. MOON R.&S.	Stand-ard Time.
1	SA.	rs 56 5 14	10 45	1	rs 56 5 15	7 40
2	S	55 40 rises.	11 20	2	55 41 rises.	8 14
3	MO.	rs 58 6 44	11 55	3	rs 58 6 46	8 53
4	TU.	rs 37 7 13	0 13	4	rs 38 7 15	9 30
5	WE.	rs 6 1 7 44	0 50	5	rs 6 0 7 47	10 6
6	TH.	rs 34 8 18	1 28	6	rs 35 8 22	10 43
7	FR.	rs 6 3 8 57	2 9	7	rs 6 2 9 11	11 25
8	SA.	rs 30 9 43	2 52	8	rs 31 9 48	.....
9	S	rs 5 10 36	3 42	9	rs 4 10 41	0 40
10	MO.	rs 5 11 35	4 38	10	rs 5 28 11 39	1 37
11	TU.	rs 7 7 morn	5 41	11	rs 6 morn	2 39
12	WE.	rs 5 24 0 39	6 48	12	rs 5 25 0 43	3 45
13	TH.	rs 6 10 1 48	7 53	13	rs 6 8 1 51	4 50
14	FR.	rs 5 20 3 1	8 53	14	rs 5 22 3 3	5 51
15	SA.	rs 6 12 4 17	9 50	15	rs 6 11 4 18	6 47
16	S	rs 5 17 5 33	10 41	16	rs 5 19 5 33	7 36
17	MO.	rs 6 15 sets.	11 28	17	rs 6 13 sets.	8 23
18	TU.	rs 5 14 6 51	.....	18	rs 5 16 6 54	9 15
19	WE.	rs 6 17 7 35	0 41	19	rs 6 15 7 39	10 2
20	TH.	rs 5 11 8 24	1 30	20	rs 5 13 8 28	10 50
21	FR.	rs 6 20 9 17	2 22	21	rs 6 17 9 22	11 44
22	SA.	rs 5 8 10 14	3 15	22	rs 5 10 10 19	0 13
23	S	rs 6 22 11 13	4 12	23	rs 6 19 11 17	1 11
24	MO.	rs 5 5 morn	5 11	24	rs 5 7 morn	2 9
25	TU.	rs 6 24 0 12	6 10	25	rs 6 22 0 15	3 8
26	WE.	rs 5 2 1 11	6 58	26	rs 5 5 1 14	4 5
27	TH.	rs 6 26 2 9	7 59	27	rs 6 24 2 11	4 55
28	FR.	rs 4 59 3 7	8 46	28	rs 5 2 3 8	5 44
29	SA.	rs 6 29 4 5	9 30	29	rs 6 26 4 5	6 28
30	S	rs 4 57 5 3	10 11	30	rs 4 59 5 2	7 8
31	MO.	rs 6 32 6 1	10 49	31	rs 6 28 5 59	7 44



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	8d. 0h. 2m. A.	8d. 11h. 2m. M.
NEW MOON.....	15d. 3h. 8m. M.	15d. 2h. 8m. M.
FIRST QUARTER ..	22d. 5h. 43m. M.	22d. 4h. 43m. M.
FULL MOON .....	30d. 10h. 20m. M.	30d. 9h. 20m. M.

BOST'N & CHICAGO.				BOST.	N. Y. & PHILA.	N. Y.
D. of M.	Day of W'k.	Local Mean Time.	TIDE.	D. of M.	Local Mean Time.	TIDE.
		SUN R.&S. MOON R.&S.	Stand-ard Time.		SUN R.&S. MOON R.&S.	Stand-ard Time.
1	TU.	rs 6 33 rises.	11 25	1	rs 6 30 rises.	8 20
2	WE.	rs 4 53 6 19	.....	2	rs 4 56 6 23	9 0
3	TH.	rs 6 35 6 57	0 23	3	rs 6 32 7 1	9 41
4	FR.	rs 4 50 7 41	1 3	4	rs 4 53 7 46	10 20
5	SA.	rs 6 38 8 30	1 47	5	rs 6 35 8 35	11 4
6	S	rs 4 48 9 26	2 33	6	rs 4 51 9 30	11 53
7	MO.	rs 6 41 10 27	3 21	7	rs 6 37 10 31	0 19
8	TU.	rs 4 45 11 33	4 16	8	rs 4 49 11 36	1 16
9	WE.	rs 6 43 morn	5 18	9	rs 6 39 morn	2 16
10	TH.	rs 4 43 0 41	6 22	10	rs 4 47 0 43	3 20
11	FR.	rs 6 45 1 52	7 25	11	rs 6 42 1 53	4 22
12	SA.	rs 4 41 3 5	8 26	12	rs 4 45 3 5	5 22
13	S	rs 6 48 4 20	9 22	13	rs 6 44 4 19	6 20
14	MO.	rs 4 39 5 35	10 17	14	rs 4 43 5 33	7 13
15	TU.	rs 6 50 sets.	11 7	15	rs 6 46 sets.	8 2
16	WE.	rs 4 38 6 9	11 56	16	rs 4 42 6 13	8 52
17	TH.	rs 6 53 7 2	0 21	17	rs 6 49 7 7	9 45
18	FR.	rs 4 36 7 59	1 12	18	rs 4 40 8 4	10 33
19	SA.	rs 6 55 8 59	2 3	19	rs 6 51 9 3	11 23
20	S	rs 4 34 10 0	2 53	20	rs 4 39 10 4	.....
21	MO.	rs 6 58 11 1	3 44	21	rs 6 54 11 4	0 43
22	TU.	rs 4 33 morn	4 37	22	rs 4 38 morn	1 36
23	WE.	rs 7 0 0 1	5 32	23	rs 6 56 0 3	2 30
24	TH.	rs 4 32 0 59	6 25	24	rs 4 37 1 0	3 23
25	FR.	rs 7 3 1 57	7 16	25	rs 6 58 1 57	4 13
26	SA.	rs 4 31 2 55	8 5	26	rs 4 36 2 55	5 1
27	S	rs 7 5 3 52	8 50	27	rs 7 0 3 51	5 47
28	MO.	rs 4 30 4 50	9 34	28	rs 4 35 4 48	6 32
29	TU.	rs 7 7 5 49	10 17	29	rs 7 2 5 46	7 14
30	WE.	rs 4 29 rises.	10 58	30	rs 4 34 rises.	7 52
...	...	...	...	...	...	...



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	7d. 10h. 11m. A.	7d. 9h. 11m. A.
NEW MOON.....	14d. 2h. 21m. A.	14d. 1h. 21m. A.
FIRST QUARTER...	22d. 2h. 1m. M.	22d. 1h. 1m. M.
FULL MOON.....	30d. 3h. 14m. M.	30d. 2h. 14m. M.

BOSTON & CHICAGO. BOST. N. Y. & PHILA. N. Y.

D of M.	Day of W'k.	Local Mean Time.		TIDE.	D of M.	Local Mean Time.		TIDE.			
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.				
1	TH.	r 7	9	5 37	11	39	1	r 7	4	5 42	8 35
2	FR.	s 4	28	6 26	0	0	2	s 4	33	6 31	9 10
3	SA.	r 7	11	7 20	0	43	3	r 7	6	7 25	10 4
4	S	s 4	28	8 19	1	29	4	s 4	33	8 23	10 47
5	MO.	r 7	14	9 23	2	16	5	r 7	8	9 27	11 36
6	TU.	s 4	28	10 30	3	5	6	s 4	33	10 33	0 2
7	WE.	r 7	16	11 39	3	57	7	r 7	10	11 41	0 56
8	TH.	s 4	28	morn	4	55	8	s 4	33	morn	1 53
9	FR.	r 7	17	0 49	5	55	9	r 7	12	0 50	2 53
10	SA.	s 4	28	2 0	6	57	10	s 4	33	2 0	3 55
11	S	r 7	19	3 13	8	0	11	r 7	14	3 11	4 57
12	MO.	s 4	28	4 26	8	59	12	s 4	33	4 23	5 56
13	TU.	r 7	21	5 39	9	55	13	r 7	15	5 35	6 53
14	WE.	s 4	28	sets.	10	48	14	s 4	34	sets.	7 43
15	TH.	r 7	22	5 40	11	39	15	r 7	17	5 45	8 34
16	FR.	s 4	29	6 40	0	3	16	s 4	34	6 45	9 27
17	SA.	r 7	24	7 42	0	53	17	r 7	18	7 46	10 14
18	S	s 4	29	8 45	1	41	18	s 4	35	8 48	10 59
19	MO.	r 7	25	9 47	2	28	19	r 7	20	9 50	11 46
20	TU.	s 4	30	10 47	3	12	20	s 4	36	10 49	0 10
21	WE.	r 7	26	11 46	3	59	21	r 7	21	11 47	0 58
22	TH.	s 4	31	morn	4	46	22	s 4	37	morn	1 45
23	FR.	r 7	27	0 44	5	37	23	r 7	22	0 44	2 35
24	SA.	s 4	32	1 42	6	27	24	s 4	38	1 41	3 25
25	S	r 7	28	2 40	7	18	25	r 7	22	2 38	4 15
26	MO.	s 4	34	3 38	8	8	26	s 4	39	3 35	5 5
27	TU.	r 7	29	4 37	8	57	27	r 7	23	4 34	5 54
28	WE.	s 4	35	5 36	9	46	28	s 4	40	5 32	6 44
29	TH.	r 7	29	6 35	10	34	29	r 7	24	6 30	7 29
30	FR.	s 4	36	rises.	11	18	30	s 4	42	rises.	8 12
31	SA.	r 7	30	6 10	.....	31	r 7	24	6 14	9 1	

Ther.

SATURDAY, JAN. 1, 1887

Wea.

This new Year comes in  
with a dull rainy winter  
day but real good sleighing  
around home in Richmond  
all day. In evening went  
to the Baptist Church to a  
Supper

Ther.

SUNDAY 2

Wea.

Snowing all day did  
not go out of doors through  
the day. Wind NW 8  
and not very cold.  
There is good sleighing  
now and I hope it will  
last some time

2 Ther.

MONDAY 3

Wea.

Very pleasant wind NW but  
an awfully cold day. Ther  
10° below 0. In forenoon  
went out to Richmond corner  
to get George Shue set  
around the village in afternoon

Ther.

TUESDAY, JAN. 4, 1887

Wea.

Clear and awful cold  $24^{\circ}$   
below zero In afternoon I  
went down to Brown Jacket with  
Horse & Sleigh stayed all night  
over home

Ther.

WEDNESDAY 5

Wea.

Cloudy and spitting snow in  
morn David and I went  
down to Wolfport to see Mr.  
Hodgson to see about building a  
small boat got back at 2 Pm  
at 4 Pm started for Richmond  
got here at 5-30 splendid traveling  
canal up via Ames's to Norton

Ther.

THURSDAY 6

Wea.

Full in forenoon commenced  
on my Gunning Boat  
In afternoon carried Ellen  
down street shopping and  
went down to Abbie Lilly's

Ther.

FRIDAY, JAN. 7, 1887

Wea.

Cloudy in morn afternoon  
clears off David & Mary came  
up at work on gunning boat  
In forenoon went down  
on the River and raced horses  
with Alf Theobald Horse Stewart  
and Mr Merryman

Ther.

SATURDAY 8

Wea.

Very pleasant and cold This  
morn Thermometer  $15^{\circ}$  below  
Forenoon David & I went  
down on the River and tried  
on horses afternoon Ellen  
and I went up on the River to  
Madoc House David went  
home

Ther.

SUNDAY 9

Wea.

Very pleasant and cold Ther in  
the morning  $20^{\circ}$  below 0 at noon  
 $10^{\circ}$  above

Went to Church to Methodist

Ther.

MONDAY, JAN. 10, 1887

Wea.

Pleasant and cold Ther  $10^{\circ}$  below  
in Morn Barometer very low  
about  $6^{\text{in}}$  of light snow fell last  
night This afternoon tried the  
hydrants Went up to the Ice  
House and saw them work  
Evening wind blowing hard  
went to Lodge meeting in  
Richmond

Ther.

TUESDAY 11

Wea.

Very pleasant quite cold in Morn  
Ther  $5^{\circ}$  below Morn quite warm  
at work on my gunning boat  
Afternoon earned Ellen out calling  
then Mr Walker and I went on a  
ride up to the Modoc Ice House.  
Evening went to meeting

Ther.

WEDNESDAY 12

Wea.

Very pleasant went down to  
Woodwich 15 and Jim's stops all  
night

Ther.

THURSDAY, JAN. 13, 1887

Wea.

Very pleasant wind N at 12 M  
started with Jan for Richmond  
got there at 4 P M stayed an  
hour at home

Ther.

FRIDAY 14

Wea.

Clear N E Snow Storm all  
day a great quantity of snow  
fell The trains were behind time  
8 hours At work on my  
gunning boat

Ther.

SATURDAY 15

Wea.

Snowing about all day clear  
off in evening Shoveled out  
my paths and Road  
At work the rest of the day on  
my Gunning boat

Ther.

SUNDAY, JAN. 16, 1887

Wea.

Pleasant and cold went to  
Church 15 M at 10-30 David &  
Wife came and staid through the  
day and will stay tonight.  
Went 15 church in Eve

Ther.

MONDAY 17

Wea.

Snowing hard all day David  
and wife went home in morn  
at 10-30 Mr Timmins and wife  
came and spent the day in  
afternoon I carried Mr Timmins  
to S. Gardiner got back at 4 PM  
carried them to Depot they  
went back to Bath again  
Went 15 Lodge in Eve

Ther.

TUESDAY 18

Wea.

Clear and quite cold at  
work on my running boat  
about all day. Went 15 fair  
in Evening

Ther.

WEDNESDAY, JAN. 19, 1887

Wea.

Dreadfull cold Ther 25° below 0  
at work on my boat in  
forenoon In Afternoon I  
carried Han down home  
it was a dreadfull cold ride  
staid there all night.

Ther.

THURSDAY 20

Wea.

Pleasant in morn Ther at 0  
Forenoon came up 15 Burnt  
jackets in Afternoon came  
up home got here at 3 PM  
Snowing hard Evening  
stop snowing and looks as  
if it would clear off

Ther.

FRIDAY 21

Wea.

Very pleasant and warm at  
work on Bench Vies and boat

Ther.

SATURDAY, JAN. 22, 1887

Wea.

Dull all day and snowing  
some in afternoon  
Quite cold at work a little  
on my boat and doing some  
other small jobs

Ther.

TUESDAY, JAN. 25, 1887

Wea.

Pleasant and not very cold  
at 9 am started to go to Bath  
to funeral at night went  
over to Uncle Jim's and staid  
all night

Ther.

SUNDAY 23

Wea.

Dull soft and very warm  
Snow melting fast did not  
go to Church  
Mattie and her husband came  
at 1:30 PM  
Went to Prayer Meeting in  
Evening

Ther.

WEDNESDAY 26

Wea.

Dull and looks like snow  
at 8 am started for Frank  
Trotts got there at 11 am snowing  
hard Left there at 2 PM for  
Brant Jacket still snowing  
hard and blowing

Ther.

MONDAY 24

Wea.

Dull and Raining about all  
day Mr Collins & Wife staying  
with us around the house  
all day

Ther.

THURSDAY 27

Wea.

Pleasant and very cold  
ther 2° below 0 at 10 am started  
for home got home at 11:30  
had a very cold ride came  
up on the River  
Painted the inside of my  
S. Boat

Heard of Aunt James death

Ther.

WEDNESDAY, FEB. 9, 1887

Wea.

Very pleasant with a very strong breeze NW quite warm at work on Camp Steels

In afternoon Uncle Jim and Jan came

Evening went to supper to the Methodist

Ther.

SATURDAY, FEB. 12, 1887

Wea.

Very pleasant and cold Strong breeze NW Snow drifting.

did not have the horse race on account of cold

John & John Preble came up went back in afternoon

I done some odd jobs around the house

Ther.

THURSDAY 10

Wea.

Very pleasant and quite warm wind S- at 11 am David and Mary came on their way to Gardiner Uncle Jim & Jan are stopping with us

Ther.

SUNDAY 13

Wea.

Pleasant and cold went to Church to Methodist

Ther.

FRIDAY 11

Wea.

Snowing hard all day in forenoon David & Mary came from Gardiner bound home Uncle Jim and Jan here did not do much work this day

Ther.

MONDAY 14

Wea.

Pleasant and drizzle fell cold Ther at  $-23^{\circ}$  below in morning remains cold all day done no work this day Took Tea at Abbie Lillys went to Lodge in evening

Ther.

TUESDAY, FEB. 15, 1887

Wea.

Snowing hard all morning  
with fresh breeze from S.  
Afternoon stops Raining  
quite warm  
Evening cleared off fine

Ther.

FRIDAY, FEB. 18, 1887

Wea.

Dull in forenoon. Afternoon  
Snowing hard.  
I went with Frank Lovell  
to Cobble Pond fishing  
got 12 Pickrel  
staid about all day

Ther.

WEDNESDAY 16

Wea.

Cloudy and very warm at  
8 am started for Wadsworth  
to carry Fan home got there at  
11 am left again for home at  
2 PM got home at 5:30 PM  
Roads are soft and quite hard  
traveling

Ther.

SATURDAY 19

Wea.

Very pleasant and very  
warm Ther at noon was  
80°  
at work in the shop  
about all day

Ther.

THURSDAY 17

Wea.

3

Very pleasant and warm  
Snow melting fast  
Painted my S Box the first  
coat of white

Ther.

SUNDAY 20

Wea.

Very pleasant and warm went  
to church in afternoon & evening  
around the house the rest of the day

Ther.

MONDAY, FEB. 21, 1887

Wea.

A Very pleasant day worked  
in the Shop in the forenoon  
on my cars. In Afternoon  
went over on Swan Id and  
spoke for some hay from  
Wallis Reed then we rode  
to the foot of the Id and called  
on Rascoe Reed's folks

Ther.

TUESDAY 22

Wea.

Snowing in Morn at 8 AM  
clears up. Got ready and  
started for Wascott got about  
half way then and it came  
on to snow again turned around  
and came home kept on snowing  
the rest of the day  
Worked some on Cars

Ther.

WEDNESDAY 23

Wea.

Very pleasant and warm. Had  
a load of Hay come today.  
Mr Edmund Morse & Wife came and  
took dinner with us also  
Heattie and Will Collins. went  
to ride in Afternoon  
Sociable here this evening

Ther.

THURSDAY, FEB. 24, 1887

Wea.

Snowing hard in forenoon  
Afternoon clears off and  
high wind from West  
Heattie & Will went home  
in Afternoon

Ther.

FRIDAY 25

Wea.

Pleasant and very cold with  
gale from NW. Ther this Morn 5° above  
worked some on my G. Boat  
went to Odd Fellows fair in  
evening.

Ther.

SATURDAY 26

Wea.

Pleasant in Morn and very  
Cold 13° below  
Afternoon clouds up and  
commences to snow at 3 PM  
and storms most of the night  
at 9 AM started for  
Worlwinch got to Uncle John  
at 3 PM

Ther.

SUNDAY, FEB. 27, 1887

Wea.

Pleasant and quite warm  
Very wet and bad tonight  
did not go to Church &  
staid at Uncle Jims

Ther.

WEDNESDAY, MAR. 2, 1887

Wea.

Dull all day wind S-  
David came up in forenoon  
after Lathes went back in  
afternoon he brought up my  
bbl Cider  
Ruseel brought up a cord  
hard wood

Ther.

MONDAY 28

Wea.

Pleasant and very cold  
in forenoon carried my  
bbl of Cider up to Johns  
afternoon went back down  
to Uncle Jims again

In Evening went to a Sociable  
to Gilmore Stinsons

Ther.

THURSDAY 3

Wea.

Pleasant and cold went to  
Lara Amos Dinnel  
John Grog came and  
spent the night with us  
went to Lecture on Free  
(Temperance)

Ther.

TUESDAY, MAR. 1

Wea.

Pleasant and Very cold  
around Uncle Jims in the  
forenoon

In Afternoon at 1 PM  
started for Richmond got  
here at 4 PM found  
Ellen all night and well

Ther.

FRIDAY 4

Wea.

Pleasant and warm  
at work carrying up my  
fire wood John Grog  
went away at 10 AM  
Afternoon Ellen and I went  
to the post of Swan Id

Ther. SATURDAY, MAR. 5, 1887 Wea.

A very pleasant day but quite cold around 14° at 9 am and started for Woolwich to see a horse but had a good trot got back to Richmond at 10 PM very cold and cloudy up for a storm

Ther. TUESDAY, MAR. 8, 1887 Wea.

Very pleasant and warm at work most of the day on jobs in the barn made one car and finished piling up my first 1/2 cord of wood had a short sleigh ride in afternoon

Ther. SUNDAY 6 Wea.

Blowing hard all day (snow) did not go to church one of the heaviest storms of the winter

Ther. WEDNESDAY 9 Wea.

Very pleasant and quite warm at 9 am started for Augusta got there at 12<sup>pm</sup> In afternoon went out to Edd Hassley's and stayed through the night

Ther. MONDAY 7 Wea.

Cloudy all day light breeze NNE There has a big lot of snow fell yesterday and last night. Shovelled out my walks saved several sleds and piled it up Put Ross locks on 9 Bolt

Ther. THURSDAY 10 Wea.

Snowing hard all day and blowing hard went down to Richards took dinner went back to Edd's and stayed the night

Ther.

FRIDAY, MAR. 11, 1887

Wea.

Dull and blowing a very  
Gale from N. Snow drifting  
had could not go out of  
doors

Ther.

MONDAY, MAR. 14, 1887

Wea.

Very pleasant and warm  
at 9 am started for Augusta  
in the Train after Ellen and  
the horse Ellen met me at  
Depot left there at 10<sup>am</sup> got in  
Richmond at 1 PM  
In Evening went to the  
tree and bush

Ther.

SATURDAY 12

Wea.

Clear weather blowing a  
heavy Gale Snow drifting  
the Roads are in a bad  
state Left Ellen and  
the horse at Ed's I walked  
in to the City and took train  
home found everything  
all right

Ther.

TUESDAY 15

Wea.

Dull all day with a raw  
wind from N. afternoon  
Epit's Snow  
at about 4 add jobs  
around the house

Ther.

SUNDAY 13

Wea.

Very pleasant and warm  
Snow melting fast at  
home all day alone

Ther.

WEDNESDAY 16

Wea.

Snowing in noon but  
clears off before noon  
David May and Georgie  
came  
made me an Oar

Ther.

THURSDAY, MAR. 17, 1887

Wea.

Dad David & May came  
down from Gardiner  
afternoon they went down  
home I went down and  
earned Frank Lovel gunning

Ther.

SUNDAY, MAR. 20, 1887

Wea.

Pleasant and quite mild  
went to Church Afternoon  
and evening

Ther.

FRIDAY 18

Wea.

Down to Uncle Jim's at  
10 am took Sam and  
went up to Father's Raining  
about all day went out  
gunning in Afternoon  
David and Frank got a  
Goose  
stayed there all night

Ther.

MONDAY 21

Wea.

Very pleasant and warm  
John came up and got my  
Gunning Boat  
Rascal Reed brought me  
one Cord of hard wood  
at work at odd jobs

Ther.

SATURDAY 19

Wea.

Pleasant. Rain & Snow  
alternately all day at  
8 am started for  
home got here at 10 am  
all is well

Ther.

TUESDAY 22

Wea.

Snowing hard most all  
day Rascal Reed brought  
the rest of my Wood 2 1/2 cords  
I was sawing it about  
all day

Ther.

TUESDAY, MAR. 29, 1887

Wea.

Pleasant and cold at work  
around the house in forenoon  
afternoon down street  
Evening went to the  
Amy Sherman Opera

Ther.

FRIDAY, APRIL 1, 1887

Wea.

Very Pleasant and quite  
cold took a short  
ride on the Allsunder  
road in morn

Evening Ellen came  
back from Bath

Ther.

WEDNESDAY 30

Wea.

Pleasant and very cold  
snow blowing but Ther 10°  
above  
at 10-50 Ellen started for  
Bath by train  
George and I here alone  
carried Ellen to Dept with  
Horse

Ther.

SATURDAY 2

Wea.

The worst Snow Storm for  
the winter drifting very  
bad Trains are all delayed  
In Evening it is a dreadful  
gale from N

Ther.

THURSDAY 31

Wea.

Very pleasant and cold  
George and I went out to  
Richmond Connor to get  
the horse shod  
John & Clara came  
went back in afternoon

Ther.

SUNDAY 3

Wea.

Storm clears off this morn I  
never have seen such big  
drifts before  
at noon wind moderates  
and sun comes out hot  
afternoon snow melting fast  
shoveled out my walks

Ther.

MONDAY, APRIL 4, 1887

Wea.

Cloudy and quite warm  
at work on an Arbor for  
back door

Went to Lodge in evening

George's went to School

Ther.

TUESDAY 5

Wea.

Cloudy and warm  
at work on Arbor

Got a letter from Daniel  
Pilmore

Recd my new Pan from  
Boston

Ther.

WEDNESDAY 6

Wea.

At 7 AM left Richmond  
for Washuch on a Gunning  
Expedition

Went out Gunning in afternoon  
got 1 Duck

Ther.

THURSDAY, APRIL 7, 1887

Wea.

Pleasant and very cold  
went out Gunning got  
2 Ducks

Ther.

FRIDAY 8

Wea.

Pleasant and warm  
went Gunning got  
1 Duck

In Afternoon went down  
to Uncle Jim's

Ther.

SATURDAY 9

Wea.

Pleasant and warm calm  
in Morn Afternoon breeze  
SW and clouds up and  
Rains light

Went to Bath saw the N. B.  
Steamer Larned  
stop at Uncle Jim's 15 mts

Ther.

SUNDAY, APRIL 10, 1887

Wea.

a Very pleasant day calm about all day and very warm for the time of year  
at 10 am started from Uncle Jim's for Brent Jack's Nat Hanson with me got here at 12 Noon

Ther.

MONDAY 11

Wea.

Pleasant and warm  
started out Evening at 2 AM got 1 Duck

Ther.

TUESDAY 12

Wea.

Pleasant and warm  
in afternoon wind blew hard in forenoon  
got 2 Ducks  
Painted in forenoon on David's house

Ther.

WEDNESDAY, APRIL 13, 1887

Wea.

Cold and blowing hard N.W. worked painting on David's house until 5 am then started for Bath 15 come home to Richmond got here at 3 PM everything is all right at home  
got a letter from Keough's Bro's

Ther.

THURSDAY 14

Wea.

Very pleasant and quite cold at work around the house. Put the Sleigh away and commenced on the Keen Gard

Ther.

FRIDAY 15

Wea.

Very pleasant and warm  
finished up my Keen Gard and got Keen into it

Ther. SATURDAY, APRIL 16, 1887 Wea.

Dull in forenoon Got in the  
Pile of wood to the South of the  
Barn

Afternoon Raining & Snowing  
at work on Grape Vine Path

Ther. TUESDAY, APRIL 19, 1887 Wea.

Very pleasant and quite  
cold This Morn then  
was 2 inches of New Snow  
on the Ground that fell last  
night  
at work around the House  
and Stable all day

Ther. SUNDAY 17 Wea.

Clears off in Morn Pleasant  
to rest of the day Went to  
Church twice

I think the River is broke  
through from Richmond up  
it broke through at the  
Village today

Ther. WEDNESDAY 20 Wea.

Pleasant - at 7 am went  
by train to Bath Called  
on the Houghtons Bros  
Walked at home  
Painted on David's House  
in afternoon

Ther. MONDAY 18 Wea.

Cloudy and quite cold  
finished my Arbor

Evening Snowing hard  
Wind N.E.

Ther. THURSDAY 21 Wea.

Pleasant went Evening  
in the Bay got 2 Whistles

Ther.

FRIDAY, APRIL 22, 1887

Wea.

Pleasant and very warm  
Went Gunning in the  
Bay got one Sheldrake  
The River broke through  
at 3 P.M.

Ther.

SATURDAY 23

Wea.

Pleasant in forenoon  
afternoon clouds up  
Started from Burnt Jacket  
at 9 am for Richmond in  
Gunning float got here at  
2 P.M. did not see a  
bird in the water on our  
way up River quite clear  
from running ice

Ther.

SUNDAY 24

Wea.

Raining hard in forenoon  
Quite a high freshet in the  
River

Ther.

MONDAY, APRIL 25, 1887

Wea.

Very pleasant and warm  
Commenced to paint  
the Stable the 2<sup>nd</sup> coat  
finished all the Trimming.  
Got a Letter from D. Gilmore

Ther.

TUESDAY 26

Wea.

Snowing hard all the  
forenoon clears away at  
night at work cutting up  
wood in wood house  
made a Crating for under  
the Stable

Got another Letter from  
Boughton, Bro's

Ther.

WEDNESDAY 27

Wea.

Pleasant but a high wind  
W.S.W. Painting all day  
on Stable

David & Sailed from  
Havre for Baltimore

Ther. THURSDAY, APRIL 28, 1887 Wea.

Cloudy and looks like  
a storm wind fresh  
S.E. Painted two horses  
on stable in Morn  
Afternoon got some pieces  
for a Lodder and made  
one one

Ther. FRIDAY 29 Wea.

Raining hard all day with  
a terrible Gale from E:  
a heavy freshet in the River  
Made a screen door today

Ther. SATURDAY 30 Wea.

Raining hard in the Morn  
The heaviest freshet in the  
River I ever saw a few  
Logs going down  
at 7 am I started for W-  
in my Gunning boat 10:30 am  
going down  
Afternoon clear off  
Went down to Uncle Jim in  
afternoon

Ther. SUNDAY, MAY 1, 1887 Wea.

A Very pleasant day and  
N.W. quite cool. Went to  
church to the S. Methodist-  
staying to Uncle Jim's

Ther. MONDAY 2 Wea.

A Very fine and warm  
day In the Morn I walked  
up home at Morn John  
carried me to the Ferry  
I came home on the 3 PM  
Train found everything all  
right

Ther. TUESDAY 3 Wea.

Very pleasant at work  
Painting on the stable got  
it nearly done  
Afternoon took a ride  
with Kelpie

Ther.

WEDNESDAY, MAY 4, 1887

Wea.

Pleasant - finished painting  
the stable and painted the  
trimmings on East side  
of house

Ther.

SATURDAY, MAY 7, 1887

Wea.

Cloudy and looks like  
Rain did not paint  
any other jobs  
around the house

Ther.

THURSDAY 5

Wea.

Painted the East side of  
house and trimmings on  
South side  
Cleaned up around the  
Gard some

Ther.

SUNDAY 8

Wea.

Very pleasant and warm  
went to Church

Ther.

FRIDAY 6

Wea.

Pleasant - Painted South  
side of house this day  
Mr Bickford Spaded up  
my Garden

Ther.

MONDAY 9

Wea.

Very pleasant and hot -  
Painting on North side  
of house

Ther.

TUESDAY, MAY 10, 1887

Wea.

Pleasant and very hot  
Painting on North side  
of the L's.  
at 5 PM the Thermometer  
registered in the shade  
88° dreadful hot for the  
time of year  
Finished painting the  
buildings

George E. came in evening

Ther.

WEDNESDAY 11

Wea.

Very pleasant and warm  
Blowing hard from NW  
at work making the Garden  
have got it nearly all  
made

Ther.

THURSDAY 12

Wea.

Very pleasant day; blowing a  
Gale from N.W. Fixed the  
Front Yard fence Painted it  
and Painted window Sash  
Trimmed the Shade & Apple  
trees

Ther.

FRIDAY, MAY 13, 1887

Wea.

Very pleasant and warm  
Repaired up the Yard fence  
Painted it and painted  
the Window Sash

Mr Parsons & George E.  
helped me

Ther.

SATURDAY 14

Wea.

Pleasant fresh breeze NW  
Can't do much  
work today

Fan came on 'Star' this  
morn

Ther.

SUNDAY 15

Wea.

Pleasant and quite cool fresh  
breeze from S.  
Went 15 Church twice  
Wrote 15 Jim Knapp and  
David Putmore

Ther.

MONDAY, MAY 16, 1887.

Wea.

Pleasant with fresh breeze from  
S- Cleaned out cloacin and W.C.  
done other odd jobs

I am went home on the "Glar"

Sent letter to David Gilmore  
Went to Lodge in Evening

Ther.

TUESDAY 17

Wea.

Pleasant at 9 am started for  
Bath with horse on a cart got  
there at 12<sup>00</sup> afternoon spent at  
Capt Kelleg's stayed all night at  
Mr Collins

Ther.

WEDNESDAY 18

Wea.

Pleasant at 9 am went  
down street shopping and then  
went over to Frank Lovells  
got dinner and spent afternoon  
went down to Uncle Jim's  
took tea stayed all night

Ther.

THURSDAY, MAY 19, 1887

Wea.

Pleasant in forenoon went  
over to Bath in boat  
afternoon went over to  
Joe Tibbels took tea with  
Sam & Ellen stayed to Uncle  
Jims all night

Ther.

FRIDAY 20

Wea.

Pleasant at 8 am started  
for Summit Peaks helped him  
plant Potatoes the rest of the  
day stayed to Johns through  
the night

Ther.

SATURDAY 21

Wea.

Pleasant at 9 am started  
for Richmond got here at  
12<sup>00</sup>  
afternoon painted top of yard  
fence and Back Arbor

Ther.

SUNDAY, MAY 22, 1887

Wea.

Pleasant went to church  
in afternoon & evening

Ther.

WEDNESDAY, MAY 25, 1887

Wea.

Dull and raining at work  
at odd jobs around the house

Ther.

MONDAY 23

Wea.

Pleasant and warm  
at work around the house at  
odd jobs

Ellen & I went to ride in  
evening

Ther.

THURSDAY 26

Wea.

Pleasant and very warm  
at work around the house at  
odd jobs

Ther.

TUESDAY 24

Wea.

Pleasant at work at  
odd jobs around the house  
went to ride in evening

Ther.

FRIDAY 27

Wea.

Dull and misty all day  
at work at odd jobs all day  
made Barn window

Ther. SATURDAY, MAY 28, 1887

Wea.

Raining hard all day  
at work at odd jobs  
Cut up the scrap wood  
pile in wood house

Ther.

SUNDAY 29

Wea.

Dull and misty all  
day Went to church  
in afternoon  
did not go in evening

Ther.

MONDAY 30

Wea.

Pleasant. Memorial day  
saw two games of Base  
Ball played in Richmond

Ther.

TUESDAY, MAY 31, 1887

Wea.

Pleasant at 8 am got a  
letter from David telling me  
to come as soon as can  
Got my trunk packed  
and all ready for starting

Ther.

WEDNESDAY, JUNE 1

Wea.

Pleasant in morn at 8-10  
am started from Richmond  
with Ellen and horse and  
went to Waukegan took  
dinner at home and in  
the afternoon came down to  
Uncle Jim and stayed the  
night Raining very hard  
all the afternoon

Ther.

THURSDAY 2

Wea.

Dull and looks like Rain  
in morn dull and cloudy  
all day thick fog at night  
Left Uncle Jim's at 3:30 for  
Baltimore Train is with me  
"Started to Bath" at 7 Pm  
Thick fog but we went out

Ther.

FRIDAY, JUNE 3, 1887

Wea.

Clear off wind comes to NW  
got into Boston at 8 Am  
Got Breakfast then went and  
visited George Leonard

Left Boston at 6 PM Via Old  
Colony Via Fall River

Ther.

SATURDAY 4

Wea.

Pleasant got into N.Y. at  
7 am at left Jersey City  
at 5-10 for Baltimore  
arrived at Baltimore at 12-30 P.M.  
4 hours 20 minutes  
went right on board ship  
David met us at Depot

Ther.

SUNDAY 5

Wea.

Cloudy on board ship  
"Servia" in forenoon then  
David & I went up town  
in afternoon went to the  
Park

Ther.

MONDAY, JUNE 6, 1887

Wea.

Rainy very hard in  
forenoon In Afternoon David  
and I went up town

Ther.

TUESDAY 7

Wea.

Dull David & I went up  
town in forenoon then  
came up in afternoon  
Saw the Possession of Cardinal  
Gibbons got back at 5-30

Got a letter from Ellen

Ther.

WEDNESDAY 8

Wea.

Dull in forenoon David  
went to town at 9 am then  
and I went at 11 am  
Afternoon fine weather  
and very hot went  
out to David Hill Park  
with Mr Goodhue's team  
Finished discharging bullet  
at 4 PM

Ther.

THURSDAY, JUNE 9, 1887

Wea.

Ther.

SUNDAY, JUNE 12, 1887

Wea.

Very pleasant went to  
Church to the Episcopal  
through Mustake  
Stopped on board ship  
the rest of the day

Ther.

FRIDAY 10

Wea.

Ther.

MONDAY 13

Wea.

Pleasant went up town  
in morn stopped all  
day In afternoon went  
to ride out to Grand Hill  
Park got back after  
dark

Taking in Coal  
Got our Stores and Water  
on board  
I went over to town in  
afternoon

Ther.

SATURDAY 11

Wea.

Ther.

TUESDAY 14

Wea.

Pleasant wind S.E. at 6  
am took ship up to the  
Coal piers and in the  
afternoon commenced to  
take in Coal took in  
about 200 tons

Pleasant Stopped on board  
until noon Afternoon  
David and I went out to  
see the Baltimore & St Louis  
flag base Ball ship looking  
very slow

I went out to the Base  
Ball game in afternoon

Ther.

WEDNESDAY, JUNE 15, 1887

Wea.

Pleasant went to town in  
morn  
Finished loading Ship "Lervia"  
Noon at 1 PM got crew on  
board and took the Ship to  
Quarantine came to Anchor  
at 3 PM.  
Cleared at Custom House and  
signed bills Lading

2567 Tons Coals in cargo

Ther.

THURSDAY 16

Wea.

Pleasant wind S.W. at 6 am Two  
Tugs came off to take us to Sea,  
but one of the Sailors is sick  
went on shore again for another  
at 10 am got underway at 11-30  
2<sup>nd</sup> Tug cast off and the Visitor <sup>left</sup> went  
on shore in her we are towing  
down Chesapeake Bay by Tug  
"Peerless"

Ther.

FRIDAY 17

Wea.

Towing down Chesapeake Bay  
Pleasant In the Morn Moderate breeze  
WSW Set Sail at 10 am dismasted  
and comes S- find all sent  
passed out of Cape Henry at 5-30  
PM wind S- light discharge  
Pilot at 6 PM Cast off Tug  
at 7 PM Cape Charles bound  
N. Cape Henry W by N wind  
freshens SW Make Sail and proceed  
in our Passage to San Francisco

Ther.

SATURDAY, JUNE 18, 1887

Wea.

Very pleasant not a cloud  
in the Sky all day. Light  
breeze We all laid out  
Saw two Whales bound S- one  
bound N- Ends with lights  
breeze dead aft Ship going  
Slow We made 103 miles  
from where the Tug left us 15  
Morn

W. 23 103

Ther.

SUNDAY 19

Wea.

Very pleasant and very hot  
Moderate breeze from S.W.  
Saw a Brig bound S-

Read and slept through the  
day World like 15 know when  
my old Woman is today

Lat 36-58 Lon 70-38 Dis 142

Ther.

MONDAY 20

Wea.

Pleasant through the day with  
Moderate breeze S.W. Saw a 2  
Mast Schooner bound N.W.  
In the Evening had much  
lightning & Thunder to  
the South of us

Lat 39-09<sup>N</sup> Lon 66-22<sup>W</sup> Dis 217 miles

Ther.

TUESDAY, JUNE 21, 1887

Wea.

Moderate breeze throughout  
the day and very pleasant  
Wind S.W.

At work repairing an old  
Jerk Sail

Lat  $35^{\circ}19'$  Lon  $62^{\circ}31'$  Dis 208 miles

Ther.

WEDNESDAY 22

Wea.

Very pleasant with light air  
from WSW to WNW Ship going  
slow

Quite a smell coming from S.E.  
S.W. W.W. & N.

Lat  $35^{\circ}02'$  Lon  $58^{\circ}44'$  Dis 135

Ther.

THURSDAY 23

Wea.

Light air all day from W.S.  
W.N.W. very hot

Lat  $34^{\circ}48'$  Lon  $58^{\circ}33'$  Dis 60

Ther.

FRIDAY, JUNE 24, 1887

Wea.

Very pleasant at 2 am wind  
hauled to E - dead ahead but we  
are standing on Port tack  
hoping all is for the best  
and that the wind will  
haul more to the N.E. and  
send us into the trades well  
to the E. of the parallel

Wind dead ahead

Lat  $33^{\circ}35'$  Lon  $57^{\circ}02'$  Dis 107 miles

Ther.

SATURDAY 25

Wea.

Very pleasant with a moderate  
breeze from E - (Dead ahead)

I hope it will change soon  
but it is all for the best and  
will gain in another place  
I would like to see my old  
woman tonight

Lat  $32^{\circ}37'$  Lon  $55^{\circ}45'$  Dis 85 miles

Ther.

SUNDAY 26

Wea.

Very pleasant. Calm and  
hot - Ship is not making  
a thing There is a ship in  
company bound to Europe and  
a B.K.T. apparently bound to  
(English)

Ther.

MONDAY, JUNE 27, 1887

Wea.

Very pleasant in the forenoon  
we got light airs from W. ship  
would hardly steer. In afternoon  
wind freshens and hauls to  
W. SW moderate breeze  
we are out sailing our company  
just

Lat-34-13<sup>N</sup> Lon 53-32<sup>W</sup> Dis 12 miles

Ther.

TUESDAY 28

Wea.

Pleasant with slight breeze  
from SW. Saw 7 vessels on  
the most Schuman boat W. the  
others for Europe and across the  
line. I think we shall  
make a very fair run this  
day

Lat-34-18<sup>N</sup> Lon 52-36<sup>W</sup> Dis 141 miles

Ther.

WEDNESDAY 29

Wea.

Pleasant with strong breeze SW  
all sail set. I think we will  
make a good run this day

Lat-34-22<sup>N</sup> Lon 47-57<sup>W</sup> Dis 243 miles

Ther.

THURSDAY, JUNE 30, 1887

Wea.

A Smokey hazy high fog  
look with fresh breeze S.E.  
an old sea coming from W. NW  
& N. but no sea from where  
the wind is. I hope the  
wind will shift soon and  
come fair for we have got  
all the backing and around at  
present

Lat-33-48<sup>N</sup> Lon 43-32<sup>W</sup> Dis 220 miles

Ther.

FRIDAY, JULY 1

Wea.

A dull pleasant day  
Moderate breeze S.E. dead ahead

An Am<sup>n</sup> Barkentine in  
company has got on a deck load  
of Lumber apparently bound  
to S.A.

Lat-33-54<sup>N</sup> Lon 40-14<sup>W</sup> Dis 170 miles

Ther.

SATURDAY 2

Wea.

Pleasant Moderate breeze  
S.E. B.K. still in company

1014 miles this week

Lat-33-58<sup>N</sup> Lon 37-24<sup>W</sup> 145 miles

Ther.

SUNDAY, JULY 3, 1887

Wea.

Pleasant with light breeze S.E.  
at 10 am Tacked Ship with  
head 15 WSW  
Bk-L 'PQ Palmer' still in  
company

Lat 33-47 Lon 35-03 Dis 120 Miles

Ther.

MONDAY 4

Wea.

Fourth of July and 9 am in the  
middle of the Atlantic Ocean in Ship  
"Serrua" 16 days from Baltimore to  
San Francisco Very light winds  
and dead ahead we are getting  
along dreadfully slow I hope our  
luck will change soon Several  
Vessels in company

Lat 33-25 Lon 34-32 Dis 90 Miles

Ther.

TUESDAY 5

Wea.

Very pleasant with light air from  
S- A White Bark in company  
suppose her to be Norwegian and  
S-

afternoon Very light air wind  
hauled 15 SW and let us head  
up our course the first time for  
4 days

Lat 32-54 Lon 34-50 Dis 31 Miles

Ther.

WEDNESDAY, JULY 6, 1887

Wea.

Very pleasant with light air from  
S.W. Norwegian Bark in  
company  
Am setting up main J.M. B  
Stays

afternoon wind hauled 15 W-  
and has the appearance of going 15  
the N

Lat 32-01 Lon 34-15 Dis 65 Miles

Ther.

THURSDAY 7

Wea.

Very pleasant with a very light  
wind from W-  
Norwegian Bark still along-  
side of us Another Bark in  
sight astern

Lat 30-22 Lon 33-29 Dis 102

Ther.

FRIDAY 8

Wea.

Nearly calm all day the wind  
is trying to get into the Trades  
but it has hard work

The Bark is still alongside  
of us

Lat Starboard Fore & main J.M.  
Bark Stays Jip Pullant & Mized

Lat 28-23 Lon 33-01 Dis 70 Miles

Ther.

SATURDAY, JULY 9, 1887

Wea.

Pleasant and hot at 10 am  
Took the Trades from E-15  
ESE very light

White-Bark still in company

477 miles this week a few weeks  
work

Lt 28-29 Lon 32-57 Dis 40 miles

Ther.

SUNDAY 10

Wea.

Pleasant with very light  
and unsteady trades baffling  
from ENE to S-

White-Bark still in company

Lt 29-57 Lon 32-09 Dis 90 miles

Ther.

MONDAY 11

Wea.

Squally in the morn wind ENE

At 10 am dropped the Bark astern  
the wind freshened then and went  
away from him at the rate of  
knots

Ther.

TUESDAY, JULY 12, 1887

Wea.

Forenoon Moderate Trades & Squally  
Afternoon Trades are fresher  
now and are going along in  
good shape

Saw the Bark Royals astern  
this morn but think she is  
out of sight now

We were exactly under the Sun at  
noon

Lt 22-00 Lon 32-29 Dis 152 miles

Ther.

WEDNESDAY 13

Wea.

Fresh Trades and somewhat  
overcast quite a sea coming  
from E- The wind is about  
E & N

Clears off fine in afternoon  
wind hauls to NE

Lt 18-18 Lon 32-12 Dis 237 miles

Ther.

THURSDAY 14

Wea.

Pleasant with fresh Trades  
from ENE throughout the  
day

Lt 15-48 Lon 31-48 Dis 219

Ther.

FRIDAY, JULY 15, 1887

Wea.

Pleasant most of the day but  
had some squalls from E and  
at 4 PM had heavy squall from  
S.E. caught most a tank of  
water

Ther.

MONDAY, JULY 18, 1887

Wea.

All last night dreadful dark squally  
and much Rain filled all of our  
tanks up

Through the forenoon squally and  
Rain not so much wind as  
Rain

Lat 11-54<sup>N</sup> Lon 31-30<sup>W</sup> Dis 180 Miles

Ther.

SATURDAY 16

Wea.

In the morn squally but not much  
Rain at 4 am Tacked ship with  
head to S.E. The SW monsoon  
set in very fresh with the worst  
sea I ever saw in this latitude  
Afternoon strong monsoon from  
WSW sea goes down

1136 Miles this week

Lat 9-56<sup>N</sup> Lon 31-30<sup>W</sup> Dis 118 Miles

Ther.

SUNDAY 17

Wea.

Pleasant with a moderate breeze  
from W smooth sea. At 9 am  
Exchanged signals with the Iron  
Mast English ship "Goldenhorn"  
from Rangoon at 1 PM an Eng  
Iron Bark passed bound W

Lat 10-5-49<sup>N</sup> Lon 28-35<sup>W</sup> Dis 128 Miles

Ther.

TUESDAY 19

Wea.

Pleasant today but it was squally all  
last night At 7 am Tacked ship  
head to SW. Wind about S.E. and are  
the Trades in the Afternoon wind  
harks to S.E. & S fresh Trades and  
Very fine weather At 9 am passed  
the A.S. Brig "Gannet" steering  
NE

Lat 5-08<sup>N</sup> Lon 24-56<sup>W</sup> Dis 108 Miles

Ther.

WEDNESDAY 20

Wea.

Good Trades throughout from S.E. & S  
Saw an Italian Bark the Lon 28-02<sup>N</sup>  
passed the Swedish Brig "Atlas" steering SW  
Saw a B.K. bound N

Lat 7-30<sup>N</sup> Lon 29-45<sup>W</sup> Dis 178 Miles

Lat 2-50<sup>N</sup> Lon 28-11<sup>W</sup> Dis 153 Miles

Ther.

THURSDAY, JULY 21, 1887

Wea.

Very pleasant - light Trades SSE  
at 6 am saw St Pauls Rocks bearing  
E 8 S about 10 miles at 6 45 a large  
French steamer (I think) passed broad  
N-

At 4 PM Crossed the Equator in  
30-13 West Longitude 33 days 21 hours  
from Cape Henry

Lat 00-21<sup>N</sup> Lon 28-53<sup>W</sup> Dis 150 miles

Ther.

FRIDAY 22

Wea.

Very pleasant with light S E S Trades at  
8 am a large 3 Masted ship  
passed broad N supposed her to be the  
"B. J. Packard"

Lat 2-03<sup>S</sup> Lon 31-23<sup>W</sup> Dis 170 miles

Ther.

SATURDAY 23

Wea.

Pleasant with fresh Trades from SSE  
at 4 am passed Ferdinand Nahornna  
Is about 35 miles to the west of us  
now and are steering a course the  
first time for a number of days  
I hope we shall steer one more  
for a good while

Made 1097 miles this week being  
the Dohdrom week too  
Lat 4-53<sup>S</sup> Lon 32 04<sup>W</sup> Dis 180 miles

Ther.

SUNDAY, JULY 24, 1887

Wea.

Through last night very strong trade  
and bad sea took in Gore & Miz  
Top Gallant Sails Today it is moderate  
all sail is set. The wind still hangs  
far to the Southward and are jammed  
close by the wind all the time I  
hope it will haul fair soon  
we have had so much steering by the  
wind since we started

Lat 8-11<sup>S</sup> Lon 33-07<sup>W</sup> Dis 204

Ther.

MONDAY 25

Wea.

Fresh Gale and very squally much rain  
Saw bad sea took in Royals and  
stood by Top Gallant Masts  
split Miz Royal

Afternoon very strong trade bad  
sea ship going bows under at times  
Evening moderates some

Lat 10-13<sup>S</sup> Lon 33-44<sup>W</sup> Dis 127 miles

Ther.

TUESDAY 26

Wea.

Pleasant strong Trades and puffy  
bad sea split Gore Royal bent  
Gore Royal Miz Royal & Miz Top  
Gallant Sail passed several  
vessels broad N

Lat 13-33<sup>S</sup> Lon 34-54<sup>W</sup> Dis 213 miles

Ther. WEDNESDAY, JULY 27, 1887 Wea.

Very fine day with fresh Trades S.E.  
A vessel ahead and one coming  
up on fast. All sail set.

Lat 14-29° Lon 36-18" Dis 192 miles

Ther. THURSDAY 28 Wea.

Light winds from E.S.E. S. & W. Squally  
with considerable Rain. A B.K. in company  
are out sailing the fast vessel a Nova  
Scotia Bark bound N. also two Steamers  
Afternoon trimmed the Coal in  
the hold

Lat 18-23° Lon 37-21" Dis 130 miles

Ther. FRIDAY 29 Wea.

Very pleasant hot and nearly  
calm all day. Steamer passed  
bound S. Two B.K.'s in company

This is the first day for 14 days  
to make less than one hundred  
miles

Lat 18-39° Lon 37-54" Dis 80

Ther. SATURDAY, JULY 30, 1887 Wea.

Very fine weather. Forenoon light  
air from E. Afternoon Calm  
A four mast ship in company  
apparently bound for Rio Steamer  
passed bound N. B.K. in sight to  
Leeward

Caught a big Shark Calm, calm  
calm

1000 Miles this week

Lat 20-29° Lon 38-12" Dis 50 miles

Ther. SUNDAY 31 Wea.

Very pleasant and warm calm or nearly  
so in the forenoon. Afternoon wind hauled  
to N.E. and freshens a little so the  
ship is going about 3 knots and have  
made four headway for the last three  
days. but I hope this will and shall do  
better. L & H Steamer passed bound  
S.W. or for Rio

Lat 21-18° Lon 38-42" Dis 60 miles

Ther. MONDAY, AUG. 1 Wea.

Very pleasant with a good breeze from  
N.E.

Shifted our sails bent the bestones  
and wore off new Braces

Lat 23-03° Lon 39-50" Dis 122 miles

Ther.

TUESDAY, AUG. 2, 1887

Wea.

Pleasant with a fresh breeze from NE  
saw a ship from Rio bound N

In Lat 25-10° saw first Cape Horn Bird

Ther.

FRIDAY, AUG. 5, 1887

Wea.

Pleasant with light breeze NE & N  
Thick fog in morn up until 10 am  
then clears off fine  
Notice now for the first Southerly  
Sea coming

Lat 24-50° Lon 41-31" Dis 142 miles

Ther.

WEDNESDAY 3

Wea.

Fresh breeze from N.N.E. and very  
fine weather. We are bombing  
it along now in good shape  
8 miles per hour

My Chron sight today would not  
work right at all so this Log is  
by D.R.

Lat 27-14° Lon 43-45" Dis 193 miles

Ther.

THURSDAY 4

Wea.

Very pleasant - This morn wind  
went around the compass. Wind  
W & S - Afternoon light air  
from N.E. Quite a Sea running  
from N.E.

Lat 28-50° Lon 45-19" Dis 125 miles

Ther.

SATURDAY 6

Wea.

Wind N.N.E.

A little of all kinds of weather to  
day Morning very fine Midday  
foggy Afternoon wind dies away  
and shifts to S - then hauls to S.E.  
and blows up quite fresh Evening  
clears off fine again Two Barks  
in company Apparently bound  
to the River 846 miles to week

Lat 31-31° Lon 47-38" Dis 124

Ther.

SUNDAY 7

Wea.

A disagreeable day Very Squally air  
to from S.E. to N.E. and the clouds  
are flying very fast from W - had a  
heavy shower & Rain Thunder thudding  
but it did not shift the wind It is  
now (Worm) blowing strong from N.N.E.  
but I expect a shift any moment  
off River Platte 571 days Got our  
first Gale came down to L.J. sails  
Lat 34-04° Lon 50-14" Dis 203 miles

Ther.

MONDAY, AUG. 8, 1887

Wea.

Pleasant with fresh breeze from S.E. jogging under Top Sails in towards the land wind is nearly dead ahead so it is no use to carry much sail. Afternoon wind moderates Sea gets more smooth set all sail. A Country Bark in sight and N.

Lat 34-52 Lon 57-28 Dis 70 miles

Ther.

TUESDAY 9

Wea.

Pleasant in forenoon with strong breeze from N.W.E. Afternoon freshens up into a Gale and clouds up at 4 PM put in Reefs blowing strong. Running across the Mouth of Keweenaw Platte. Barometer falling fast and weather looks threatening.

Lat 34-34 Lon 52-58 Dis 135 miles

Ther.

WEDNESDAY 10

Wea.

Much Lightning all last night from 12 to 4 AM Thunder Lightning and much Rain. Running under L. T. Sails. Forenoon light airs from S.W. and Thick Fog. Barometer 29.50

Ther.

THURSDAY, AUG. 11, 1887

Wea.

Fine weather. In forenoon moderate breeze from W.N.W. Turn out Reefs set. Here remain J. & Sails. Afternoon freshens on with in J. & Sails.

The Ship outruns me about every time

Lat 40-22 Lon 54-00 Dis 110 miles

Ther.

FRIDAY 12

Wea.

Pleasant with strong breeze from W.N.W. a very high Sea coming from S.W. Ship pitching very hard going nearly down under all sail set but Boats & Stay Sails. A Light Bark passed us going light. A Steamboat bound S.W.

Lat 42-35 Lon 53-52 Dis 130 miles

Ther.

SATURDAY 13

Wea.

Foggy and Rain all day light breeze S.W. and has indications of approaching Gale. Evening wind freshens, clears up.

No obs the day

Lat 43 47 Lon 57-10 Dis 88

Ther.

SATURDAY, AUG. 20, 1887

Wea.

Thick Fog in forenoon and  
light winds from W- at noon  
suddenly freshens into a Gale Ship  
under Reef Sails Bar 29.25  
Crossed 50° 0' in Atlantic in 8 3/4 days  
from Baltimore An English Ship  
in Company the one an Exchange  
Lor with yesterday

Lat 50-56° Lon 64-57" Dis 130 Miles

Ther.

SUNDAY 21

Wea.

Pleasant but blowing a fresh  
Gale WSW We are going  
for Cape St John as fast as  
we can drive her towards  
night the wind heads us  
so dont know as we shall  
see it at Noon it bore S 105  
Miles

Lat 59-06 Lon 64-07 Dis 130 Miles

Ther.

MONDAY 22

Wea.

The finest day I ever saw off  
Cape Horn light breeze from W-  
at 9-30 am Cape St John bore W-  
11 Miles at daylight the Cape bore  
one Point on Starboard bow just  
as it ought to have been if my  
reckoning was right. The Pease Chart  
is about right Cairns is 15 miles  
further East 65 1/2 days from Baltimore  
very good passage for the time of year  
I hope we will make a quick passage from here in

Ther.

TUESDAY, AUG. 23, 1887

Wea.

Strong Gale from W- with a bad Sea  
running we are under Reefed Sails  
giving it to her Heavy Squalls  
of Rain & Snow have 15 stands  
by the J. L. Halyards all the time

Lat 56-14 Lon 64-46 Dis 86 Miles

Ther.

WEDNESDAY 24

Wea.

Deal calm in early Morn at 7 am  
light air sprung up from E-  
and kept gradual freshening  
all day at night a splendid  
breeze all sail set fine weather  
with occasional Fog Showers of  
Snow The best wind I ever had  
off Cape Horn bore W

Lat 56-56° Lon 65-12" Dis 41 Miles

Ther.

THURSDAY 25

Wea.

Very pleasant but high Fog and  
Fog Showers of Snow Fresh breeze  
from E and very smooth Sea  
This beats all the times I ever  
passed Cape Horn the most  
pleasant we ever. tonight the  
Sky looks as though it would  
last another day

Lat 57-20° Lon 70-22" Dis 180 Miles

Ther.

FRIDAY, AUG. 26, 1887

Wea.

Morning nice breeze from E. In  
Forenoon dies out. Calms Squalls  
wind from most all points the rest  
of the day. Evening quite hard at  
times. 4 Barks in sight bound  
W 2 bound E. At Londown

Calm does not steer. Barometer  
is very low 25.15 It has been the  
lowest time this far I ever had off here.

Lat 56-54° Lon 74-13" Dis 130 miles

Ther.

SATURDAY 27

Wea.

Pleasant with passing clouds of high  
fog. Blowing heavy from S. with a  
very high confused sea ship pitching and  
rolling heavy carrying Reefed Top  
Gallant Sails and carrying on  
head going 10 Knots all day Very  
cold. We have made a splendid run  
this day.

Lat 53-45° Lon 77-32" Dis 112 miles

Ther.

SUNDAY 28

Wea.

Fresh breeze from SW with squalls  
of snow high confused sea running  
Gale moderating. Saw a few most  
ship bound E. one ship two Barks  
in company bound NW  
Afternoon wind shifts 15 NW  
Evening Raining

Lat 53-08° Lon 84-53" Dis 214 miles

Ther.

MONDAY, AUG. 29, 1887

Wea.

Pleasant with fresh breeze from  
S.

Crossed the Parallel of 50° in Pacific  
at 8 PM 73 days 1 hour from  
Baltimore } 9 3/4 days from  
50 15 50

Lat 50-57° Lon 82-38 Dis 130

Ther.

TUESDAY 30

Wea.

Strong breeze from S.W. all day  
with splendid weather and  
fair winds and are getting along  
very fast

Lat 47-56° Lon 86-40 D.R. 236

Ther.

WEDNESDAY 31

Wea.

Pleasant but Squally. Strong  
breeze from E. confused sea  
This is a beautiful breeze for  
us but hard for homeward bound  
vessels. I hope we will keep  
this gale up until we get there

Lat 45-28° Lon 88-47" Dis 200 miles

Ther.

THURSDAY, SEPT. 1, 1887

Wea.

Fresh breeze from ENE throughout the day squally at times. Rain & fine weather all day. We are making a splendid run. I never saw the heat of it. I do hope it will continue.

Lat 42-25° Lon 82-52" Dis 226 miles

Ther.

FRIDAY 2

Wea.

Forenoon fresh breeze from NE at 12 the wind dies out and lasts to 4. More or less Rain all the forenoon.

Lat 38-27° Lon 85-43" Dis 220 miles

Ther.

SATURDAY 3

Wea.

Early Morn Raining hard and NE at 8 am wind shifts to W and blows up a heavy Gale the first heavy Gale we have had for the passage.

This anchors on 1300 miles

Lat 38-24° Lon 84-36" Dis 75 miles

Ther.

SUNDAY, SEPT. 4, 1887

Wea.

Strong breeze from W and very squally rough cross sea. Ship going like a scared steamer and are getting along splendid 78 days out and nearly off Valparaiso. We have been 11 days from Staten Land. A Bark crossed our bows steering for Valparaiso.

Lat 35-18° Lon 87-28" Dis 193 miles

Ther.

MONDAY 5

Wea.

Very pleasant day with fresh breeze from WSW all day. We are now getting into fine weather have got out of cold weather very fast.

Lat 31-54° Lon 89-38" Dis 240 miles

Ther.

TUESDAY 6

Wea.

Pleasant with light breeze from W. at Noon made a Bark ahead at day was most up with her.

Lat 29-31° Lon 100-12" Dis 145 miles

Ther. WEDNESDAY, SEPT. 7, 1887 Wea.

Pleasant with fresh breeze from  
NNW English Iron Bark  
alongside in company

Lat 27-40<sup>S</sup> Lon 93-01<sup>W</sup> Dis 126

Ther. THURSDAY 8 Wea.

Pleasant with fresh breeze from NW  
Smooth sea ship going like  
a race horse

Lat 24-36<sup>S</sup> Lon 97-30<sup>W</sup> Dis 205

Ther. FRIDAY 9 Wea.

Very pleasant with light breeze  
from W. it looks as though  
we would get the trades before  
long I hope so

Lat 22-22<sup>S</sup> Lon 97-36 Dis 135

Ther. SATURDAY, SEPT. 10, 1887 Wea.

Cloudy in Morn with Rain  
Squalls Light breeze from ESE  
that has the appearance of the  
setting in (I hope so)

No Trades as yet arrived from  
all points of the compass

Lat 21-40 Lon 97-55 Dis 46 Miles

Ther. SUNDAY 11 Wea.

Pleasant but somewhat cloudy  
In the Morn light Airs from  
ESE There is quite a sea  
coming from the East I hope the  
Trades are handy it is high time  
we had them

At 8 AM. Trades set in

Lat 20-04<sup>S</sup> Lon 98-53<sup>W</sup> Dis 107

Ther. MONDAY 12 Wea.

Pleasant - Moderate Trades  
from ESE Now we are going  
along in good style

Oiled the Decks

Lat 17-45<sup>S</sup> Lon 100-44<sup>W</sup> Dis 174 Miles

Ther.

TUESDAY, SEPT. 13, 1887

Wea.

Fine weather with Moderately  
fresh Trades

A Cape Pigeon following  
us

Lat 15-03<sup>S</sup> Lon 102-50<sup>W</sup> Dis 210 Miles

Ther.

WEDNESDAY 14

Wea.

Pleasant with fresh Trades from  
ESE to E - Squally at times  
and as high a sea running  
as I ever saw in these trades  
We are making a splendid  
run I hope we shall keep it up  
until we get in to Port

Lat 11-54<sup>S</sup> Lon 104-59<sup>W</sup> Dis 225 Miles

Ther.

THURSDAY 15

Wea.

Fresh Trades from ESE and fine  
weather We are bowling it  
along in good shape I am  
in hope to make a good passage

Lat 8-45<sup>S</sup> Lon 107-14<sup>W</sup> Dis 230 Miles

Ther.

FRIDAY, SEPT. 16, 1887

Wea.

Pleasant with Moderate Trades  
ESE

Lat 5-58<sup>S</sup> Lon 109-10<sup>W</sup> Dis 204 Miles

Ther.

SATURDAY 17

Wea.

Moderate Trades fine weather

Clear the Decks

1334 Miles This week

Lat 3-28<sup>S</sup> Lon 110-54<sup>W</sup> Dis 184

Ther.

SUNDAY 18

Wea.

Very pleasant with light Trades  
ESE

Lat 1-20<sup>S</sup> Lon 112-27<sup>W</sup> Dis 154 Miles

Ther.

MONDAY, SEPT. 19, 1887

Wea.

Very light Trades Warm fine weather  
Crossed the Equator at 2 am  
113-14" 93 days 7 hours from  
Baltimore (I hope we will  
have a good run from here on)

Ther.

THURSDAY, SEPT. 22, 1887

Wea.

Very pleasant and warm  
Moderate breeze from SSE  
No signs of the Doldrums  
at yet

Lat 00-40" Lon 113-26" Dis 136

Ther.

TUESDAY 20

Wea.

Light Trades very fine and  
hot weather

Find a strong WNW Current

Lat 6-04" Lon 116-42" Dis 135

Ther.

FRIDAY 23

Wea.

Trades are about breaking  
up fresh breeze all the  
forenoon from 99W Squally  
and a considerable Rain

Scrubbing Lgt No Obs

Lat 2-14" Lon 114-40" Dis 120

Ther.

WEDNESDAY 21

Wea.

Light Trades and very fine  
weather

Strong WNW Current

Rainking Lgt on outside

Lat 8-08" Lon 117-35" Dis 180 Miles

Ther.

SATURDAY 24

Wea.

In the Doldrums fresh  
breeze from WSW & W.  
much Rain Confused Sea

Scrubbing Lgt

Got an Orange I brought  
from Baltimore I have had it  
No Obs 101 days

Lat 11-48" Lon 117-50" Dis 161 Miles

Lat 3-57" Lon 115-55" Dis 124

Ther.

SUNDAY, SEPT. 25, 1887

Wea.

Forenoon fresh breeze W- and  
Great quantity of Rain, Thunder  
& Lightning 12 m wind shifts  
to NW W (Dead ahead) and clears  
up  
100 days from Baltimore

First Obs for three days

Lat 14-07" N Lon 117-00" W Dis 150

Ther.

MONDAY 26

Wea.

Calm as an old Pal (P. Pal)  
The poorest days with this  
far on the Passage

Flat Weather

Lat 14-26" N Lon 117-14" W Dis 12 1/2

Ther.

TUESDAY 27

Wea.

Moderate breeze from SSE  
and passing clouds has the  
appearance of being the SE  
Trades. There is a very long  
heavy sea coming from SSE  
I don't know the meaning of it  
and a short choppy sea coming  
from N

Lat 16-04" N Lon 117-48" W Dis 120

Ther.

WEDNESDAY, SEPT. 28, 1887

Wea.

Pleasant and hot with moderate  
breeze from E. There is a  
very long and high sea  
coming from NW W SSE & S-  
I don't know the meaning  
of it. I never saw the like  
before in this lat

Took the Trades in PM  
Lat 17-52" N Lon 118-11" W Dis 110

Ther.

THURSDAY 29

Wea.

Moderately fresh Trades and fine  
weather. The high and long  
seas have mostly gone down  
quite smooth

The ship has made a splendid  
run this day. I hope Providence  
will favor us

Lat 21-00" N Lon 119-40" W Dis 205

Ther.

FRIDAY 30

Wea.

Moderate Trades fine weather with  
high flying fog

Saw the first Conz this  
forenoon

Lost the Trades

Lat 23-28" N Lon 121-23" W Dis 176

Ther.

SATURDAY, OCT. 1, 1887

Wea.

Moderate breeze from N. Overcast  
 weather High flying Fog  
 Quite a heavy swell coming from  
 SSW

Ther.

TUESDAY, OCT. 4, 1887

Wea.

Pleasant with light winds from  
 N. High Fog flying  
 We are making four headway

Lat 25-14<sup>N</sup> Lon 123-32<sup>W</sup> Dis 170 Lk.

Ther.

SUNDAY 2

Wea.

Moderate breeze from N. with  
 high flying Fog. The wind is  
 dead ahead so we are making  
 four headway. I do wish the  
 wind would favor us a few  
 points

Lat 24-13<sup>N</sup> Lon 124-17<sup>W</sup> Dis 163 miles

Ther.

MONDAY 3

Wea.

Light airs from NNW Overcast  
 with high Fog. Wind is dead  
 ahead and will not favor us  
 on either tack at 8 am. Locked  
 ship head 15 NE

Lat 24-55<sup>N</sup> Lon 125-16<sup>W</sup> Dis 100

Lat 27-36<sup>N</sup> Lon 128-05<sup>W</sup> Dis 60

Ther.

WEDNESDAY 5

Wea.

Pleasant with moderate breeze  
 N by E High Fog flying  
 Smooth Sea. We have sailed  
 163 miles this day and have only  
 got about 12 miles nearer S.F.  
 I do wish the wind would  
 favor us some more

Lat 28-12<sup>N</sup> Lon 131-26<sup>W</sup> Dis 163

Ther.

THURSDAY 6

Wea.

Fresh breeze from NNE and  
 fine weather  
 Split Main T.S. & Royal  
 Stay Seils

I wish the Wind and  
 Chaze fair

Lat 30-52<sup>N</sup> Lon 134-04<sup>W</sup> Dis 162

Ther.

FRIDAY, OCT. 7, 1887

Wea.

Strong breeze from NE by N with  
a very long and high sea  
coming from NW. Ship  
pitching and laboring considerably.  
Took in light sails

Ther.

MONDAY, OCT. 10, 1887

Wea.

Pleasant - at 7 am Tacked  
Ship head 15 East S.E. freshens  
up and blows fresh all day  
a short and high sea coming  
from E.N.E. Ship not making  
very good headway

Lat 33-07 L 136-08 Dr 170

Ther.

SATURDAY 8

Wea.

Fresh breeze with high fog.  
Ship covered most of the time.  
As we get N. the wind beats  
more E. so it is dead ahead  
all the time. We are not so  
near Port by 2 or 3 miles as we  
have been. I wonder when the  
wind will shift.

Lat 35-35 L 138 00 Dr 174

Ther.

SUNDAY 9

Wea.

Pleasant - Moderate breeze  
from NE

Lat 39-11 L 136-54 Dr 60 N

Ther.

TUESDAY 11

Wea.

Pleasant - Forenoon light air  
from NE. Afternoon light  
drifting air from E.  
A high sea swelling from  
NE by E

Lat 38-39 L 134-10 Dr 138

Ther.

WEDNESDAY 12

Wea.

Cloudy light drifting air

Ther. THURSDAY, OCT. 13, 1887 Wea.

Light breeze SSW fine  
weather  
a white BkF in  
company Smooth Sea

Ther. SUNDAY, OCT. 16, 1887 Wea.

Went on shore at 10 am  
Saw the Commodore and  
several friends  
In afternoon went out to  
Cliff House with Capt. Mathews  
got back at dark

Lat 98-30 L 130 08 L 130

Ther. FRIDAY 14 Wea.

Ther. MONDAY 17 Wea.

Went on shore at 5 am  
Saw the consignees Entert  
Custom House got two letters  
from Ellen

Ther. SATURDAY 15 Wea.

Pleasant Made North Rocks  
at 8-30 am passed Farallones  
9d at 12 m Took a tug at  
1 PM at the Farallones  
Anchored off Pacific Mail  
dock at 7 PM 120 days  
from Baltimore

Ther. TUESDAY 18 Wea.

Pleasant was on shore all  
day Got a letter from  
David Gilmore

Ther. WEDNESDAY, OCT. 19, 1887 Wea.

Pleasant - went on shore Cairn  
Chronometers was on shore  
all day - just at night got word  
to bring ship into Howard No. 3  
Made arrangements to bring  
her in in the morning

Ther. THURSDAY 20 Wea.

Pleasant - Docked Ship at  
12 M at Howard No 3

Ther. FRIDAY 21 Wea.

Pleasant and very warm  
Commenced to Discharge  
got out about 200 tons

Ther. SATURDAY, OCT. 22, 1887 Wea.

Discharged 150 tons into  
a Lighter

Got a telegram from David  
G.

Sent a letter to Allen  
Went to the Opera in evening

Perez Brown called on me

Ther. SUNDAY 23 Wea.

Pleasant - 11 am went to Howard St  
Methodist Church

Ther. MONDAY 24 Wea.

Pleasant Discharging Coal  
Strong breeze NW

In afternoon Mr & Mrs  
Booker & Mrs Barstow  
made me a long call  
Got a Postal from David G.

Ther.

TUESDAY, OCT. 25, 1887

Wea.

Pleasant discharging coal  
most all day

Got three letters from  
Ellen

Ther.

WEDNESDAY 26

Wea.

Pleasant and warm

Did not discharge any  
this day

David did not come

Ther.

THURSDAY 27

Wea.

Pleasant Worked part of the  
day discharging

Afternoon went out to see  
the Battle of Missionary  
Ridge Staid on board  
ship in evening

Ther.

FRIDAY, OCT. 28, 1887

Wea.

David came at 8 am  
from Tacoma on Saturday  
instead of today

George Harsley came and  
stayed with me all night

Ther.

SATURDAY 29

Wea.

Went to 15 Church Howard St  
morning & evening

Went out and took dinner  
with Mrs. Brewer 19 04 Market  
San Francisco

Read this day for work

Ther.

SUNDAY 30

Wea.

X

Ther.

MONDAY, OCT. 31, 1887

Wea.

Left San Francisco at  
3-30 PM bound home to  
Richmond Marin

Got to Sacramento 7-50 PM

Ther.

TUESDAY, NOV. 1

Wea.

Got to Reno at 8 am

Ther.

WEDNESDAY 2

Wea.

Arrived at Ogden 8 am  
Left at 12-30 PM

Took a good look through  
the City

Ther.

THURSDAY, NOV. 3, 1887

Wea.

At Laramie 9 am  
at Cheyenne 12 noon

Ther.

FRIDAY 4

Wea.

Got into Council Bluffs at  
4-30 am  
Left C. B. at 10 am for  
Chicago

Ther.

SATURDAY 5

Wea.

Got into Chicago at 6-00 am  
Went and found Edw. Potter

Left Chicago at 5-30 PM for  
Boston on Limited Express

Ther. SATURDAY, NOV. 12, 1887 Wea.

Working on Bunking  
Boards for Horse with  
Ed. Hallenton

Ther. TUESDAY, NOV. 13, 1887 Wea.

Raining hard all day  
Washed & oiled harness  
Went down street in  
afternoon

Got a didelend from the  
Wm. H. Stuart.

Ther. SUNDAY 13 Wea.

Pleasant went to Church  
to the Baptist

Ther. WEDNESDAY 16 Wea.

Raining some in forenoon  
afternoon clears off wind  
shifts to NW  
Cleaned my Paint Brushes  
and cleaned up stable

Ther. MONDAY 14 Wea.

Cloudy finished Bunking  
Boards and cleaned out  
Horse Yard

Ther. THURSDAY 17 Wea.

Pleasant. Got in some  
wood from behind the  
stable and spread my  
Barn dressing

In eve went to  
see Randall's 20 anniversary

Ther.

FRIDAY, NOV. 18, 1887

Wea.

Pleasant - Raked up the leaves  
in Orchard - Painted tanks  
and several other jobs  
Commenced on Shorthorn  
Time feed

Afternoon went down street

Wrote to David G.

Ther.

SATURDAY 19

Wea.

Pleasant in Morn but  
clouds up and commenced  
to Rain in Afternoon  
Finished Banking the horse  
and done several small  
jobs Went down street  
in afternoon

Ther.

SUNDAY 20

Wea.

Dull went to Church  
in Afternoon  
Around home the rest of  
the day

Ther.

MONDAY, NOV. 21, 1887

Wea.

Pleasant - Got the horse  
shed done several small  
jobs through the day

Got a letter from Cousin  
Wrote to George

Ther.

TUESDAY 22

Wea.

Around the horse in  
forenoon doing small  
jobs

In Afternoon David G.  
came up.

Ther.

WEDNESDAY 23

Wea.

Dull with light breeze  
from S -  
Went down to Woolwich  
in forenoon with David

In Afternoon in afternoon  
went Fox hunting on the  
Id

Ther. THURSDAY, NOV. 24, 1887 Wea.

Thanksgiving Pleasant  
and cool  
Went over to Ireland to  
a shooting match got  
two Ducks and a Turkey

Ther. SUNDAY, NOV. 27, 1887 Wea.

Dull and rainy staid  
at home all day

Ther. FRIDAY 25 Wea.

Snowing in forenoon and  
drizzle in afternoon  
Went out in Woods in forenoon  
and cut my Boot shoes from  
In afternoon David carried me  
down to J. L. G. Spent eve at  
Jed Brookings

Ther. MONDAY 28 Wea.

Raining about all day  
Picked over Apples. Cleaned  
art Ben house and done  
several small jobs  
Went down street in  
afternoon

Ther. SATURDAY 26 Wea.

Dull and very slushy under  
foot Went over to Bath in  
forenoon took Dinner to  
Heathies Came to Richmond  
in afternoon Train

Ther. TUESDAY 29 Wea.

Pleasant and cold  
went to the U fair  
in evening  
Got out my Barn dressing

Ther. WEDNESDAY, NOV. 30, 1887 Wea.

Pleasant and Very cold

Done several usefull jobs  
Made a mantle piece and  
hung Storm door. Cut  
up some Wood  
Went to U. fair

Ther at 10 PM 4° above 0

Ther. SATURDAY, DEC. 3, 1887 Wea.

Pleasant and quite  
warm

Made a picture frame and  
blacket in forenoon  
afternoon took my first  
leson in Oil Painting

River is running ice  
again

Ther. THURSDAY, DEC. 4 Wea.

Pleasant and very cold  
at Sunrise Ther stood 2° above 0  
Very cold all day  
River full floating ice  
"Star" went out tonight for  
last trip this season  
Cut out my Horse Blanket

Ther. SUNDAY 4 Wea.

Pleasant and quite  
warm went to  
Church to the Methodist

Ther. FRIDAY 5 Wea.

River closed last night  
Very cold this day Ther at  
sunrise was on zero  
Very fine day  
at work on a new Horse  
Blanket

Ther. MONDAY 5 Wea.

Raining hard all day  
clears off at sundown  
Washed the Biggie and  
done several other jobs

Ther.

TUESDAY, DEC. 6, 1887

Wea.

Pleasant at work  
around the house in  
forenoon  
Afternoon went down  
Street

Ther.

FRIDAY, DEC. 9, 1887

Wea.

a very pleasant day  
Wrote a letter to George B.  
got a card from Jan

Took our second lesson in  
Painting  
Went to a League show in  
the Evening to B. Church

Ther.

WEDNESDAY 7

Wea.

Pleasant and warm  
Worked around the house  
in forenoon Went down  
Street in afternoon

Ther.

SATURDAY 10

Wea.

Dull in forenoon. Afternoon  
commenced to Rain a little  
At work around the house  
in forenoon

Afternoon took Painting  
Lesson No 3

Ther.

THURSDAY 8

Wea.

Pleasant Made Ellen a  
Milking Stool cleaned up under  
the Bench and done several  
small jobs Went down  
Street in afternoon

Ther.

SUNDAY 11

Wea.

Stormy Raining did  
not go to Church

Letters from David & George  
Gilmore

Ther.

MONDAY, DEC. 12, 1887

Wea.

Cloudy all day  
Evening Rainy

Man Came on 2-46 train

Ther.

THURSDAY, DEC. 15, 1887

Wea.

Raining hard all day  
and very warm

at work around the  
house

Ther.

TUESDAY 13

Wea.

Pleasant and warm  
Forenoon at work in  
Workhouse making shelves  
Went down street in afternoon

Ther.

FRIDAY 16

Wea.

Clean off and comes  
around cold  
Blowing hard from NW  
Took Lesson No 4

Ther.

WEDNESDAY 14

Wea.

Dull around the  
house most all day

Ther.

SATURDAY 17

Wea.

Pleasant and warm  
Worked around the house  
in forenoon

In Afternoon took  
Lesson No 5

Evening Clouds up and  
looks like a storm

Ther.

SUNDAY, DEC. 18, 1887

Wea.

Snowing little all day  
fresh breeze NW

did not go to Church

Ther.

MONDAY 19

Wea.

Clean off fresh breeze NW  
Snowing in morning  
about 14 inches on the ground  
Made an Esel in forenoon  
Afternoon went down St  
Got the Sleigh down and  
rigged it up

Ther.

TUESDAY 20

Wea.

Pleasant and very warm  
had a Sleigh ride in the  
morning  
Commenced painting on  
my own truck

Worked some on a Door Stop  
for the Barn Door

Ther.

WEDNESDAY, DEC. 21, 1887

Wea.

Snowing light about all  
day Forenoon at work  
out door till for Barn  
afternoon took Bill out  
for a spin  
Evening went to Cong. Socy

Ther.

THURSDAY 22

Wea.

Pleasant in morn. Clouds  
up at noon and Commence  
15 Snow and Snow gets  
hard all the afternoon  
Clears off at dark and  
grows cold. Snow  
enough now for foot  
Sleighing  
Evening went to Cong. Socy

Ther.

FRIDAY 23

Wea.

Very cold Ther at -8° above  
in morn Cold all day  
had a Sleigh ride in forenoon  
and afternoon

Evening went to Cong. Socy

Ther.

SATURDAY, DEC. 24, 1887

Wea.

Very pleasant and quite cold  
 River froze up solid last night  
 People crossed today on the ice  
 Carmel ran down to Abbe  
 Lally's in afternoon  
 Mr Bickford hauled the a  
 load of hay

Evening went to a Christmas Tree  
 to Baptist & Universalist

Ther.

SUNDAY 25

Wea.

Very pleasant and cold  
 Went to church in day  
 and evening

Ther.

MONDAY 26

Wea.

Somewhat overcast  
 and very cold  
 Went to a shooting match  
 in afternoon  
 Evening went to Cantata  
 in Opera House

Ther.

TUESDAY, DEC. 27, 1887

Wea.

Somewhat overcast in the  
 morning it snowed a very  
 little but cleared off at noon

Took a short ride at night

Ther.

WEDNESDAY 28

Wea.

Snowing hard in forenoon  
 at noon it turns into rain  
 and rains very heavy with  
 a heavy Gale from SSE

This is the worst storm I think  
 I ever saw in Maine  
 It must be dreadful at sea  
 to night

Ther.

THURSDAY 29

Wea.

Clears off and comes around  
 NW and growing cold  
 Around the house in forenoon  
 Afternoon went out to A.S. &  
 Spent the evening at Mr. Houlton's  
 Snow about all gone  
 No sleighing

Ther.

FRIDAY, DEC. 30, 1887

Wea.

MEMORANDA

Very pleasant and a dreadful  
cold day Ther at Zero

Around the house in forenoon  
Evening Ther  $3^{\circ}$  below

Took Painting Lesson No 6

Ther.

SATURDAY 31

Wea.

Pleasant and very cold  
Ther this morn  $3^{\circ}$  below  
Zero Very cold all day

John and David came up  
went back after dinner

Took Painting Lesson  
No 7

Jan 1<sup>st</sup> 1888  
at home in Richmond  
Snowing quite hard all  
day did not go to Church  
around the house all day  
quite cold weather  
at night there is about  
 $2\frac{1}{2}$  inches of snow on  
the ground

MEMORANDA

MEMORANDA

MEMORANDA

MEMORANDA

CASH ACCOUNT. JANUARY.

Date.	Received.	Paid.
	Baptist - Luffer	45
	Earning Knives Fork	50
	P. & Co. agent	25
	Horse shoe set	10
	Postage Stamp	05
	Bridge Toll to Westport	30
	Tobacco & Honey	30
	Nails, Oil, Bench Screw & Seng	1.12
	Weighing Horse	20
	Dark Lantern	50
	Horse Pin for Blanket	04
	Chrystal for Watch	25
	Groceries	50
	Universalist Fair	1 15
	Potatoes	60
	Boards for G. Boat	25
	Linniment for Horse	35
	Tobacco	10
	Oil for Dark Lantern	25
	Blue Irons	1 00
	Rasp	25
	Mrs Jackson for Charity	1 00
	Paint for Boat	35
	Boards for Boat	25
	Corn for Horse	1 75
	Horse Shoes Set	50
		12 44

CASH ACCOUNT. 18 JANUARY.

[illegible]

CASH ACCOUNT. FEBRUARY.

Date.	Received.	Paid.
Contributions		15
Zinc and Seven Bolts		18
Nashville Quartett		70
Certificate framed		1 50
Rain Repair		05
Supper		60
Lirame		10
Bolts for Chair		08
Benzine		07
Postage Stamp		05
Tobacco & Goat Powder		12
Iron Brackets		12
Paint can		50
25 lbs W. Leaf & 1 Gal Oil	2	33
Fishing excursion		62
Spirits Terpanline		05
800 lbs Hay @ 12.00	5	16
Beuel		30
Old Fullows Fair		55
Shirts for Horse	1	98
Oats at Sagadahoc		40
Horse Shoes set		25
Smoking Ham		23
Total		\$ 19 45

CASH ACCOUNT. FEBRUARY.

[illegible]

## CASH ACCOUNT. MARCH.

## CASH ACCOUNT. MARCH.

Date.	Received.	Paid.
3 <sup>d</sup>		
Tobacco		10
Temperance Lecture		20
Horse race		50
Low Locks for E. Burt		35
Cutting Hair		25
Dinner & Horse bait in Augusta	1	10
Fare from Augusta		75
Fare to Augusta		75
Fine & Easy show		10
Coffee Mill		42
Castile Soap		08
Joice for an Car		10
Chalk Lines &c		17
Copper for Cars		08
Loaned John Reed	10	00
2 1/2 Cords Hard Wood		10 62
Oak Plank		50
Garn Ward's in Richmond		30
Supper		30
Georgie		10
Opera		70
Lath's		18
Dr Small for Ellen	2	25
Tobacco		10
Horse Shoe set		10
		<u>\$ 30 10</u>

## CASH ACCOUNT. APRIL.

## CASH ACCOUNT. APRIL.

Date.	Received.	Paid.	Date.
Amunition		1 16	
R. Lodge		25	
Lumber at Milliken		25	
Pan		40 00	
Grave end from W <sup>m</sup> H. Stuart			
" " "	118 46		
June 15 Bath		75	
Oranges		20	
Pan Wards in Bath		30	
June 15 Bath		75	
" from Bath to Richd		50	
3 1/2 lbs Powder		55	
Supper		45	
Lumber for Ben Gard		88	
Oranges		10	
16 <sup>th</sup> Tobacco		10	
Church		53	
Paint		10	
R.R. June 15 Bath		75	
Minister		15 00	
Ladder		19	
Candy		10	
	118 46	64 31	

CASH ACCOUNT. MAY.

Date.	Received.	Paid.
Contributions		15
Trane from Bolt 15 R.		50
3 <sup>d</sup> Tobacco		10
1 Gall Paint		1 05
Garden Rake		30
Paint		08
Paint		10
Shading Garden		1 25
Paint		10
Water Pot		65
Paint & Brush		33
Mr Parsons		1 50
2 Trees		2 00
George Gilmore		57.00
Horse Shaving		90
Rubber Buffetts		12
Postal Cards		15
Oats		24
erryage		40
WHL		1 00
erryage		15
Paint		63
Lime		08
Benzine		10
Tobacco		10
Paint		50
		17 46

CASH ACCOUNT. MAY.

[illegible]

CASH ACCOUNT. JUNE.

Date.		Received.	Paid.
Bath 15 Boston			2 30
Boston 15 Baltimore & State Rn			10 35
Black in Boston			50
Dinner in Boston			45
Baggage check in Baltimore			40
2 Hats			1 50
Trounk taken on board			75
Base Ball			35
Stamps			37
Hoods Gassapiller			3 00
Base Ball			1 00
Recd from David Gilmore on acct	15.00		
" " " " " " " " " " " "	2.00		
	18 00		21 07
Rest from D Gilmore	100 00		

CASH ACCOUNT. JUNE.

Date.	Received.	Paid.
Traveling expenses from Bath		
to Baltimore		
Ticket Bath to Boston		1 50
State Room " " "		1 00
Dinner in Boston		50
Breakfast in Boston		40
Ticket Boston to Baltimore		9 35
State Room on Boat		1 00
Telegram in Philadelphia		20
Selling Trunk on Board		75
		<u>\$ 14 70</u>

CASH ACCOUNT. JULY.

[illegible]

CASH ACCOUNT. JULY.

[illegible]

# CASH ACCOUNT. AUGUST.

Date.

Received.

Paid.

Date.

# CASH ACCOUNT. AUGUST.

Received.

Paid.

CASH ACCOUNT.      SEPTEMBER.

[illegible]

CASH ACCOUNT. SEPTEMBER.

[illegible]

CASH ACCOUNT. OCTOBER.

Date.	Particulars	Received.	Paid.
	Collars		1 00
	Neck Tie		75
	Gloves		35
	Postage Stamps		50
	Opera		1 00
	Battle of Missionary Ridge		50
127	Street-Car Fares		45
	Hair Cutting		40
	Apples		15
		10	3 10

CASH ACCOUNT. OCTOBER.

[illegible]

CASH ACCOUNT. NOVEMBER.

Date.	Received.	Paid.
For taking Service T & R	540.00	
Ticket S. R. 15 R		80 50
Breakfast at Ogden & Dinner		40
Sleeper for Omaha to Chicago	3 00	
meals	1 20	
Porter		50
Supper		75
Breakfast in Chicago		50
Sleeper for Chicago to Boston	4 50	
Dinner at Chicago		15
Supper at Chicago		20
Meals from Chicago to Boston	1 40	
Breakfast in Boston		30
Dinner in Boston		30
Baggage carried across City		50
Fare from Boston to Richmond	3 50	
	107 70	

CASH ACCOUNT. NOVEMBER.

Date.	Received.	Paid.
Lumber for Banking		4 00
Lease Boots		4 25
Seat		2 00
Herrages		47
Lewis & Givens 15 Oct 88	2 00	
Richms Bk 15 Oct 88	1 50	
Saw filed		20
Boots Repaired		1 10
Slippers		1 00
2 tons Coal		12 00
Shirts & Meal for Horse		4 60
Paint		14
Paint Oil		28
Shoeing Horse		30
4 lbs Shot @ .9		36
Shooting Match		55
Bath to Richmond		50
Tobacco		15
Repairing jewelry		05
U. Hair		1 20
U. Hair		45
Leather for Blankets		10
Paper Shells for Gun		20
		\$ 37 61
Remittances for Schin	100.53	

CASH ACCOUNT. DECEMBER.

Date.		Received.	Paid.
	Stone Pipe		1 50
	Matches		20
	Postage on package		15
	Varnish		25
9	Tobacco		10
	Spirits of Turpentine		25
	Postage		08
	Diary		25
	Liment for Keonse		50
	Bitters		40
	Tin for Whif Locket		58
1	Tobacco		10
	Conig Fair		55
	Whif Sacket Leathered		25
	Conig Fair		15
	Candy		25
	K. Oil 1/2 Hbl	2	55
	1 Hbl Flour	5	50
	Toilet Case	4	00
	Websters Dictionary	10	25
	Shooting Match		65
	Vase	1	00
	Artists Canvas		40
	Claw Push and pencil		1 00
			\$ 30.64

CASH ACCOUNT. DECEMBER.

[illegible]

## SUMMARY OF CASH ACCOUNT.

## BILLS PAYABLE. JANUARY.

	Received.	Paid.	Date.	NAME.	Dolls.	Cts.
JAN.		8 12 44				
FEB.		16 49				
MAR.		30 10				
APRIL	116 46	64 31				
MAY.		17 48				
JUNE.		21 07				
JULY.						
AUG.	114 60					
SEPT.				RECEIVABLE.		
OCT.		5 10				
NOV.	540 00	107 20				
DEC.	100 53	37 61				
	8 00	30 64				
	881 53	342 94				

BILLS PAYABLE. FEBRUARY.

[illegible]

## BILLS PAYABLE. MARCH.

[illegible]

## BILLS PAYABLE. APRIL.

[illegible]

## BILLS PAYABLE. MAY.

[illegible]

## BILLS PAYABLE. OCTOBER.

Date.	NAME.	Dolls.	Cts.	Date
	Cash from D. Gilmore			
	Baltimore	15	00	
	Shirt	3	00	
	Cash at San Francisco	140	00	
RECEIVABLE.				

## BILLS PAYABLE. NOVEMBER.

[illegible]

## BILLS PAYABLE. DECEMBER.

## MEMORANDA.

Date.	NAME.	Dolls.	Cts.	Date.		Dolls.	Cts.
	Books read on Passage				Expenses at S. F.		
	Half hour in the Wide West				Boatman	3	00
	Vision				Mr Dinner		40
	Chainbearer (By J. J. Cooper)				Tues " "		40
	London fine Brigade				Wed " "		40
	Good Bye Sweetheart						
	California Life Illustrated				Stayed from Carpenter		
	Chandos (Don't think much of it)				for Steward	16	50
	Gabriel Conroy (Boat Steward)				" " " Cook	7	00
	Scottish Childs				Stewards Extra 5 days	5	65
	Beattie Courts of Germany 2 Vol				Feed for Hog	1	25
	Dust (by Julian Hawthorne)				Meal Tickets	15	00
	Naval History of U.S. (Cooper)				Meal Tickets	5	00
	Greens of England					54	60

## RECEIVABLE.

Cash Recd from J. Chapman & Co

Oct 24 Cash 8 40 00  
Oct 37 Cash 10 00

## MEMORANDA.

Date.

Dolls. Cts.

Wine for Mr Sewall

"Invincible"	180 days
"George Curtis"	140
Seminole	153
Charmer	145
"Genl Fairchild"	149
"C. D. Bryant"	147
"Jain O Shanter"	132
St John	152
"Servia"	120
Lamarica	148

## ADDRESSES.

NAME.

Lord. Claridge &amp; Co

STREET, No.

CITY.

Baltimore Md

NAME.

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# ADDRESSES.

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Capt Bangs

STREET, No.

CITY.

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No of Check 1736

STREET, No.

CITY.

Capt Bangs Check 443

NAME.

STREET, No.

CITY.

Baggage Checks Cornwall Bluff

15 Boston 26 N 28

NAME.

No of Check Boston to Richmond

STREET, No.

CITY.

2237

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3598

680.509  
2567 tons Coal

